➢ Chapter Three

Interfacing Selector and the UDS II

This chapter is *not* a substitute for the *Selector Manual.* In fact, while all steps in this chapter are outlined clearly, it presumes you have at least some degree of familiarity with the Selector music scheduling software. If you have any questions about using the Selector music scheduling software, contact RCS directly at 914-723-8567.

Please read the *Selector Manual* before proceeding with this chapter. Don't worry, we'll wait right here. Remember: No cheating, there will be a pop quiz on this material later. Yes, *really.*

Done? Great. Let's get right down to business.

You Are Here → ✖

By this time, you should have already unpacked, assembled, and thoroughly tested the UDS II system hardware. The hardware is often said to be the "body" of the system. If this is true, then the software is the UDS II's "mind."

The Utilities for the UDS II software, the Selector music scheduling software, and (if applicable) your traffic and billing software all work together to create a complete, integrated schedule of every event you will play on the air. The integrated schedule is called a *playlist.* The UDS II stores information about each song in your playlist in a special file called a *music library* or *database*. The UDS II stores the location of each disc in the CD players in the *tray maps*.

This chapter guides you in the creation of these three critical files and on the use of the Utilities for the UDS II package. The preceding two chapters of this manual took you step-by-step, in a linear stream of instructions, through the UDS II hardware assembly process. Due to the more complex nature of the Selector/UDS II software interface, this chapter digresses occasionally to explain the functions of a feature of the Utilities for the UDS II that you are using at that time.

Don't panic. Every step is covered in great detail, and you will be told which sections of the Utilities are mandatory and which are optional but handy for best UDS II operation. You need not absorb every detail of these optional features on your first reading of this chapter. You should re-read this chapter after the UDS II is up and running to gain a better understanding of how the Utilities can make using your UDS even easier.

Introduction

Radio Computing Service's Selector and On Air Digital's Ultimate Digital Studio II (UDS II) can and do work well together. Just a few moments of your time are required to read this document. Additional time should be allocated for possible Selector data modification as well as set up and configuration.

Please remember that On Air Digital is a separate entity from Selector and RCS. Each company has its own area of expertise. Questions that deal directly with the operation and optimization of Selector are not within the province of On Air Digital. For example, On Air Digital is unable to deal with issues such as, "Why did Selector schedule two songs by Mariah Carey this hour?" Likewise, RCS cannot be responsible for issues that are purely UDS II related, such as, "How do I enter breaknotes to play a countdown show from CD?"

This document assumes that you have already installed Selector Version 12 or greater on your computer. It also assumes you are familiar with the operation of Selector, including navigation through its screens and menus, music database entry, scheduling and how to set up its testing parameters, particularly how to enable media and album title separation.

What You Need to Get Started

Software

Selector music scheduling software (version 12.27 or later)

Utilities for the Ultimate Digital Studio II software (version 9.2f or later)

Ultimate Digital Studio II control software (version 2.16t or later)

Hardware

UDS II hardware package (assembled per instructions in chapter two)

Computer for Selector music scheduling

Ten blank, formatted diskettes (must fit both the Selector and the UDS II computers)

VERY IMPORTANT: The Selector computer and the UDS computer *must* have at least one identical diskette drive. For example, if the UDS computer uses only 3½" 1.44 MB diskettes, the Selector computer *must* also have a 3½" 1.44MB diskette drive.

Miscellaneous

A telephone next to the computer (for installation codes and technical support)

Notepad and pen (you will probably want to take some notes along the way)

Approximately three hours of your time (for self-guided training and setup)

Installing Selector

You must install the Selector music scheduling software and any music databases before proceeding with the rest of this chapter. Please contact RCS directly at 914-723-8567 for installation instructions and licensing codes.

IMPORTANT: Do not install Selector on the Ultimate Digital Studio II control computer. A separate scheduling computer is required for proper system operation.

The instructions for installing the Selector music scheduling software package are in the Selector Manual. As of this printing, they begin in the introduction of that manual.

Installing the Utilities for the UDS II

IMPORTANT: You must install the Utilities for the UDS II on the music scheduling computer, *not* on the UDS II control computer.

PLEASE NOTE: If you installed Selector on a drive other than C:, substitute that drive letter for C: in these instructions.

1. Make sure that you are at a DOS command prompt. If you are running Microsoft Windows 95, 98, or NT, select the "MS-DOS Command Prompt" from the Start Menu's Programs option. The prompt usually looks like this: C:\> or C:\WINDOWS>

2. Change to the subdirectory where the Selector music scheduling software resides. Type C D \ R C S \ S E L ENTER.

3. If your music database is in the standard DATA01 subdirectory, type C D SPACE D A T A 0 1 ENTER to change to that subdirectory.

   or If your music database is in a subdirectory named for your call letters, and, for example, they are KESD, type C D SPACE K E S D ENTER to change to that subdirectory.

   or If you are unsure what name was given to your music database subdirectory, type D I R SPACE / A D ENTER to view all subdirectories. Select the correct subdirectory name from the resulting list. (Ignore the "." and ".." listings.)

   Change to the selected database subdirectory by typing C D SPACE plus the name of the subdirectory then press ENTER.

   For example, if the selected music database subdirectory is named ROCKET9, type C D SPACE R O C K E T 9 ENTER to change to that subdirectory.

Installing the Utilities for the UDS II, continued

4. Insert the "Utilities for the UDS II" diskette into the diskette drive.

   This is usually the A: drive. If your computer has only one diskette drive, it is definitely the A: drive. If your computer has two diskette drives, the drive you need to use may be the B: drive. Substitute the correct diskette drive letter in the command below.

5. From the music database subdirectory's command prompt, run the installation program to transfer the files from the diskette to your hard drive.

   For your convenience, we have given the installation program the same name as your station's call letters or, in some cases, your company name. Type the letter of the diskette drive, a colon, and your call letters or company name (as written on the disk label) at the prompt.

   If you are unsure of the name to type, you may view a directory of the files in the diskette by typing D I R SPACE A : ENTER or D I R SPACE B : ENTER, as appropriate. The name to type will be followed by `EXE` in the directory listing.

   For example, of the diskette is in the A: drive and your station call letters are KESD, you would type A : K E S D ENTER.

6. When the music database subdirectory's command prompt returns, the installation of your new "Utilities for the Ultimate Digital Studio II" package is complete. However, for security reasons, before you may use the new Utilities, they must be registered with On Air Digital.

   Call On Air Digital any time between 8:00 a.m. and 7:00 p.m. Dallas (US Central) time, Monday through Friday, to speak to a technical support specialist. The registration procedure will take about two minutes.

PLEASE NOTE: If you install another Selector music database for use with the UDS II or you move this data to another subdirectory, you must install and register the Utilities in each new music database subdirectory.

Accessing the Utilities From DOS

To start the Utilities for the UDS II without typing complicated path names, you must first create a *batch file*. The batch file is a special file your computer uses to execute a number of commands in a pre-set sequence automatically. Follow the directions below to create the batch file.

IMPORTANT:

- If you installed Selector and the Utilities on a drive other than C:, substitute that drive letter for C: in step four. For this batch file to work properly, the file must be stored in the root directory of C:, even if Selector and the Utilities are not on C:.
- If you installed the Utilities in a Selector music database subdirectory other than the standard DATA01 in the previous set of instructions, substitute the actual name of the subdirectory you used for DATA01 in step four.

1. From any DOS prompt, type C : ENTER .

2. From the C:\> prompt, type C D \ ENTER .

3. Type C O P Y SPACE C O N SPACE U D S M E N U . B A T ENTER .

   The cursor will move to the blank line immediately below the command you just entered. This is normal.

4. The type instructions listed below:

   E C H O SPACE O F F ENTER
   C : ENTER
   C D \ R C S \ S E L \ D A T A 0 1 ENTER
   U D S M E N U . E X E ENTER

5. Press F6 ENTER to save this file and return to the DOS prompt.

You have just written a batch file that lets you start the Utilities option menu by typing U D S M E N U ENTER from any DOS prompt.

If the Utilities option menu does not appear or the computer responds with `Bad command or file name`, it is likely that C:\, the root directory, is not in your system's path statement. Type P A T H ENTER at any DOS prompt to see what directories are in the path statement. Copy the UDSMENU.BAT file into one of those directories for normal operation.

For example, if C:\WINDOWS\ is listed in the path statement, type C O P Y SPACE U D S M E N U . B A T SPACE C : \ W I N D O W S ENTER to copy the batch file into the C:\WINDOWS\ directory.

Accessing the Utilities From Windows 95/98/NT

To start the Utilities for the UDS II from your Windows desktop, you must first create a *shortcut*. The shortcut is a special icon on your desktop that will change working directories and run the specified program automatically. Follow the directions below to create the shortcut.

NOTE: If you installed Selector and the Utilities on a drive other than C:, substitute that drive letter for C: in step two. If you installed the Utilities in a Selector music database subdirectory other than the standard DATA01 subdirectory in the previous set of instructions, substitute the actual name of the subdirectory you used for DATA01 in step three.

1. Run the "Windows Explorer" program.

2. Click once on the `Drive (C:)` icon and examine the directory listing on the left-hand side of the screen.

3. Click once on the + sign next to the `RCS` directory.

4. Click once on the + sign next to the `SEL` subdirectory.

5. Click once on the name of the music database subdirectory.

6. Examine the file listing on the right-hand side of the screen. Look for a file named `UDSMENU.EXE`. You might need to sort the files by name if you have difficulty finding this file name.

7. Right-click on the `UDSMENU.EXE` file name and select `Create Shortcut` from the listed options.

8. Examine the file listing again. Look for a file named `Shortcut to UDSMENU.EXE`. It will quite likely be at the very bottom of the file listing, no matter how the list is sorted.

9. Left-click on the `Shortcut to UDSMENU.EXE` and drag it onto your desktop.

   If your "Windows Explorer" takes up the full screen, you may need to click the middle button in the upper left-hand corner to shrink it and expose part of your desktop first.

You have just created a shortcut that lets you start the Utilities option menu by clicking on the `Shortcut to UDSMENU.EXE` icon on your Windows 95/98/NT desktop.

Configuring Selector for Use with UDS II

PLEASE NOTE: If any of the Selector terms, commands, or menus described in this section are unfamiliar, please consult the *Selector Manual*. This section is the pop quiz you were warned about at the beginning of this chapter.

Configuring Your Music Library

- If you have been running Selector prior to using the UDS II, or if you have a ready-made CD library from a broadcast services provider, your music library data *may* already be complete. Review the data using the Show/Change feature from the Library management menu.

  Please keep in mind that for UDS II operation, only the basic facts about each song are required. Mood, energy, tempo, texture, and other music codes are used by Selector for scheduling only—not by the UDS II in playback.

  Please review this section to make sure that your music library meets all of the requirements for using Selector with the UDS II.

- If you are using Selector for the first time and you are not using a ready-made CD library from a broadcast services provider, please enter the basic facts (listed below) about each song in your music library now.

  Minimum Music Library Requirements

  UDS II requires that every song in the Selector music library have at least the following information: title, artist, disc number, track number, intro time, run time, and ending. In addition, Selector requires that every song be assigned to a scheduling category.

  Using Non-Indexed Compact Discs

  If you *are not* using TM Century or BPI ready-made CD libraries, you must indicate that these CDs do not have *index subcoding*. This index subcoding tells UDS II exactly when to segue to the next song during AutoSegue operation. These songs must be entered as *time-compare* songs. The time-compare setting tells UDS II to segue to the next event in the playlist after the run time you enter for this song has elapsed.

  For time-compare songs to play properly in the UDS II, you must set the Opening field to ! ! in each song's information screen. Any other characters in this field indicate to UDS that this is an indexed compact disc and UDS will wait for the index subcode or track change before starting the next event. Make sure that the run times are accurate for the best sounding segues. Make sure that the code is in each song's *Opening* field, not the *Opener* field.

Configuring Your Music Library, continued

Entering Song ID Information

For the UDS II to properly find each song, your music library data must be entered so that the Disc field is formatted like this: `dddd-cc`

- For songs on compact disc, "`dddd`" is the disc number, containing one to four characters (inclusive), and "`cc`" is the zero-padded track number, between 01 and 99 (inclusive).

- For songs on UDS-HD, "`dddd`" is the cart number, containing exactly four characters, and "`cc`" is replaced by 00 to alert UDS II that this is a UDS-HD song.

Properly formatted song identifiers include the following examples:

```
1019-02        4020-16       A14-01
  B5-19        1A01-02      2345-00      (UDS-HD events only)
```

Acceptably formatted examples (with the preferred method in parentheses):

```
2525-4      (2525-04 is preferred)
   B-5      (B-05 is preferred)
```

Improperly-formatted examples:

```
 U 11-02    (Spaces in disc number are not permitted)
86756-09    (More than 4 characters in disc number)
 2405       (No cut number)
   51=03    ('=' used as separator instead of '-')
  121-101   (Track number not a number between 01 and 99, inclusive)
 1234-A1    (Track number must be a number, not a letter)
```

Note: Because Selector allows both letters and numbers in the Song ID field, a frequent source of problems revolves around entering an O (oh) instead of a 0 (zero) for the track number. The Utilities for the UDS II expect the track number to be just that, a number. If you generate a schedule that shows a song on CD with a track of zero (and it appears to be correct in Selector), carefully check the entry in Selector. Pay particular attention to the Song ID field and making sure there is not an "oh" where a "zero" was intended.

Configuring Your Music Library, continued

Song Endings: Cold or Fade

UDS II recognizes four standard Ending codes:

- **C** for songs with cold endings
- **F** for songs that fade-out
- **L** for songs recorded in a concert or other live environment to disable the tight-cue feature of the UDS II for this song
- **M** for songs spanning multiple tracks on one disc. Such songs must be set to also be time-compare songs as this code overrides subcode and track-change detection.

The music library conversion program will use (and capitalize, if necessary) only the first character in the Ending field. For example, if you are using "co" to indicate cold endings, your UDS II music library will display this as a "C".

Intro Times

If a song in your Selector music database lists more than one intro time (for the various music posts in a song's intro), the database conversion program picks the longest time as "the" intro. The UDS II music library permits only one intro time per song.

Setting Automatic Cue-In Times

You may optionally set a *cue-in time* for each song. Cue-in time tells UDS II to skip past the first part of the track, from 00.1 to 59.9 seconds, and begin play from that point in the song.

To set a cue-in time, enter the time in seconds, in the *Record* # field. When editing a song, this is on the Additional Screen and can be accessed by pressing F6.

Enter the cue-in time as `SS.T`, where `SS` is the number of seconds, zero-padded to two-digits, and `T` is tenths of seconds. You *must* deduct this cue-in time from the intro and run times for this song.

For example, you want to skip the breaking glass sound effect at the start of the album version of Billy Joel's "You May Be Right." Careful timing reveals that sound effect is just over two seconds long. Type 0 2 . 1 in the Record # field and shorten the intro and run times by 2.1 seconds.

Configuring Your Music Library, continued

Additional Music Library Settings ("F5 Extra Info")

In addition to all of the information about a song for which Selector has a conveniently labeled field, there are six music library settings that have no logical ready-made entry area. For this reason, you will need to use a special syntax to enter this strictly optional information in the Radio Text field on the Additional Screen.

NOTE: When editing a song, the Additional Screen can be accessed by pressing F6.

IMPORTANT: This "F5 Extra Info" feature only works with DPMI (or "Protected Mode") versions of the UDS II. This will not work with Lite or Real UDS II versions.

The six music library options you can set with this feature are:

- **Segue Index**
  - `0` to segue as a *time-compare* song (in addition to placing the double exclamation points in the Opening field).
  - `2` to segue on index *subcode 2*, one second earlier than subcode 3, for discs with index subcodes.
  - `3` to segue on index *subcode 3*, the "ideal" segue point for discs with index subcodes.
- **Playback Level** A whole number from `-6` to `+20` to lower or raise the relative playback level of this song as compared to the default for the rest of the music library. The default value is `0`.
- **Fade-In Time** A positive number from `0.0` to `9.9` to increase the fade-in time for this song. This could be useful when playing concert albums where the crowd noise is continuous across tracks. The default value is `0.0`.
- **Fade-Out Time** A positive number from `0.0` to `9.9` to decrease or increase the fade-out time for this song. This could be useful (decrease) when the song ends cold or (increase) when a longer cross-fade is desired. The default value is `3.5`.
- **Tight Cue**
  - `Y` enables "tight-cue" as set in F8 Configuration on UDS II.
  - `N` disables the "tight-cue" feature. The default value is `Y`.
- **Vari-speed Rate** A percentage from –12.5% to +12.5% to slow down or speed up the playback of a song. This is only available for songs played from a Sony CDK-3600. The default value is `0.0`.

  If you change the playback speed of a time-compare song, you must also adjust the run time by that same percentage.

Configuring Your Music Library—Additional Music Library Settings, continued

As noted on the preceding page, there are no corresponding fields in the Selector song information screens. For this reason a special syntax must be used to replay this data to the UDS II.

The additional music library settings must be entered in a specific order, separated by commas, and enclosed in curly braces all in the Radio Text field of the Additional Screen. These codes let the Utilities for the UDS II know that this is properly formatted and should be added to the information about this song in the UDS II music library.

The basic layout for the additional music settings is this:

{Segue Index**,** Playback Level**,** Fade-In Time**,** Fade-Out Time**,** Tight Cue**,** Vari-speed**}**

Settings you wish to leave at their respective default values should be left blank. However, you must always use the correct number of commas—even if one or more of these settings is to be left blank. Carefully examine each of the following examples:

- To raise just the playback level of a song by 4 dB, the field would look like this:
  `{ ,+4, , , , }`
- To increase the fade-out time of a song to 4.5 seconds, the field would look like this:
  `{ , , ,4.5, , }`
- To segue the song on index 2 and turn off tight cue, the field would look like this:
  `{2, , , ,N, }`
- To segue the song on index 2, lower the playback level of the song by 3dB, set a fade-in time of 3.2 seconds, set a fade-out time of 2.7 seconds, turn off tight cue, and speed up the song by 10 percent, the field would look like this:
  `{2,-3,3.2,2.7,N,+10}`

The spaces between the commas in the examples above are optional but recommended as they permit easier verification the Radio Text field is properly coded.

Categorizing Your Music Library

➢ If you are using music on hard-drive or at least *three* single-player CD changers (such as the Sony CDK-006) or *one* dual-player CD changer (such as the Sony CDK-3600), it should not be necessary to establish special categories for use with the UDS II.

Spread the songs in each category *evenly* throughout the CD changers. When using single-player CD changers, using three or more CD changers per category means that Selector will usually have a good selection of songs when scheduling categories late in the plot order while maintaining unbreakable media separation.

🕮 The Utilities for the UDS include a "category analysis" program to help you balance the scheduling categories between the various CD changers. Instructions for this analysis program begin on page 3-120, *Category Analysis: CDs and Tray Map Allocation*.

Before you may run the Utilities for the UDS II "category analysis" program, you must first generate a special SONG.DAT database file using Selector reports. See *Analysis of the Selector/UDS II Music Library* beginning on page 3-62 for details on creating this report.

➢ If you have only *two* single-player CD changers, you will need to categorize the music library in one of three possible ways:

1. Place *whole categories* in a single CD changer and schedule these categories, and thus machines, alternately by category name.

   For example, you might put all the CDs in the A, C, and G categories into CD changer one and all the CDs in the B, D, and R categories into CD player two. When scheduling these categories, alternate between the two CD changers.

   This division of categories may not be practical if the CD library tends to contain multiple music categories on each compact disc. This is often true of ready-made CD libraries from broadcast service suppliers.

2. *Divide* the categories between the CD changers, placing approximately half of each category in each changer. Then re-categorize the songs in Selector to reflect the machine and category in which the song is located. Schedule these new categories in the rotation clocks alternately by source number.

   For example, all the A category songs in changer one would be remain in category A but all the A category songs in changer two would be re-categorized B (or some other unused category-letter). You would then alternate between categories residing in CD changers one and two when scheduling.

Categorizing Your Music Library, continued

3. Use a *combination* of the previous two methods. Divide large categories between the two CD changers and place smaller categories solely in a single CD changer. Schedule the categories in the clocks alternately to prevent back-to-back machine play.

   For example, you might place the C "currents" category with 10 songs, solely in changer one and the N "new stuff" category, with 8 songs, solely in changer two. You would then divide the G "gold" category, with 200 songs, evenly between the two changers and re-categorize the G category songs to reflect the changer in which they reside. Then schedule these categories alternately by changer location in the clocks.

We Interrupt This Chapter...

Remember twelve pages ago when you were warned that this chapter wasn't quite linear? Well, this is one of those discontinuities.

You must now place your compact discs into the CD players and tell Selector where you placed each of those discs. To be logical, the instructions for the Tray Map program are on page 3-185, in the section called *Utilities for the UDS II—Revise or Review Tray Maps*. That section is where you will need to find the Tray Map instructions on a day-to-day basis.

However, the task of installing the compact discs into the CD players and noting their location *must* be completed *before* the rest of the software setup may continue.

Assigning Media Protection Codes

Now that the tray maps are complete, use this information to tell Selector where each song is located. This will allow Selector's media protection function to prevent back-to-back machine scheduling.

First, use Selector's Conditional Changer feature to clear out any old Media information from every song in the music database. This will prevent outdated or inaccurate information from causing scheduling problems.

Second, use the Conditional Changer to enter the UDS II source number of the appropriate CD changer into the Media field for each song.

- If you are using dual-player CD changers (such as the Sony CDK-3600), the first machine is source 1 and 2 in the UDS II configuration. However, you must tell Selector that discs in this machine are in source 1 only. The second dual-player CD changer is UDS II source 3 and 4, but just source 3 to Selector. Continue this source numbering process for each dual-player CD changer.

- If you are using single-player CD changers (such as the Sony CDK-006), each machine is a single source in the UDS II. Enter the UDS II source number in the Media field for every song in each player.

- If you are using music on hard-drive, enter the lowest of the UDS II source numbers assigned to the MOHD system. If you are using a 3-output MOHD system assigned to source 6, 7, and 8, enter 6 in the Media field for every song on the hard drive.

- If part of your UDS II music library will be played from sources other than UDS II-controlled CD players or MOHD systems, you must force the UDS II music schedule to indicate this by typing C A R T or L I V E in the Media field for these songs.

Any song not having one of the above source numbers or codes will be treated as invalid source material and cannot be played or scheduled by the UDS II.

IMPORTANT: The characters or digits must be *left-justified* in the Media field. There should be no spaces or other characters before the UDS II source number in this field.

Third, use the Conditional Changer to search for songs that are not in any of the sources you designated above. Change the Media fields for these songs to reflect their location in (or outside of) the UDS system.

📖 For more information about using the Conditional Changer, refer to section one of the *Selector Manual*.

If You Are Using Single-Player CD Changers...

Because it takes a short period of time to reload a single-player CD changer and get the next song ready to play, Selector *must not* schedule songs from the same single-player CD changer back-to-back. This reload time is approximately 45 seconds for a Sony CDK-006.

The information you enter into the Media field for each song (the UDS II source number of the CD changer) lets Selector schedule while automatically avoiding player conflicts by using *media protection*. Unless you are using *duplicate libraries* or music on hard-drive, you must activate this media protection feature. Media protection prevents two songs in the same single-player CD changer from being scheduled back-to-back.

Activating Media Protection

Media protection may be enabled from the Characteristic Rules menu in the Music Policy section of Selector.

- Set the "Maximum Media Length" field to 4.
- Set the "Protect same Media" option to `No Back-to-Back` play protection.

📖 To learn more about establishing media protection, please refer to *Music Policy* in section two of the *Selector Manual*.

📖 For more details on the use of the duplicate libraries, see *Notes on Using Duplicate Libraries* beginning on page 3-193. Use of duplicate libraries requires two complete identical CD libraries in UDS II.

If You Are Using Dual-Player CD Changers...

One advantage of using the UDS II with dual-player CD changers (such as the Sony CDK-3600) is the ability to play a song from one disc into a song from another disc from the same CD changer. However, proper operation of the CDK-3600 requires that songs from the same compact disc never be scheduled to play back-to-back.

To prevent back-to-back scheduling of songs from the same compact disc, Selector users should enter the disc number in the Album Title field of the "song information screen" for each song. Selector must then be instructed to separate songs by album title while scheduling. The steps for this process are detailed below:

Setting the Album Title Field

1. From Selector's main menu, press 1 to select `Library Management`.

2. From the Library Management menu, press 4 to select `Browse/Conditional Changer`.

3. Type the first disc number you wish to change followed by a dash and an asterisk. This will allow Selector to change all of the songs on this compact disc at one time.

   For example, if you are setting the Album Title field for disc number 9301, you would type 9 3 0 1 – *.

4. Press F2 to start the Browse process.

5. When the search of the music library is complete, Selector displays the Browse List screen. Examine the `ID` column on the far left side of the screen to make sure that only the songs on this compact disc are displayed.

   - If all of the songs are from this CD, continue with step six.

   - If songs from other CDs are shown, press ESC and return to step three. Correct the search criteria before continuing.

6. Press F10 to activate the Conditional Changer.

7. From the Conditional Changer screen, press 1 to Add data to a field. This will replace any old information in the Album Title field with the disc number.

8. Use the ↑ and ↓ keys to move the cursor to the Album Title field.

If You Are Using Dual-Player CD Changers..., continued

9. Type the disc number and F2 to initiate the change.

   For example, if this is disc number 9301, you would type 9 3 0 1 F2.

10. When the Conditional Change process is complete, Selector displays the Conditional Changer screen. Press ESC twice to return to the Browse/Conditional Changer screen.

11. Repeat steps three through ten until all discs in the Selector music library have the disc number in the Album Title field.

📖 For more information on using the Browse/Conditional Changer, see section one, *Library Management*, of the *Selector Manual*.

Setting the Album Separation Rule

1. From Selector's main menu, press 2 to select `Music Policy`.

2. From the Music Policy menu, press 5 to select `Artist/Title/Album Rules`.

3. From the Artist Rules menu, press 1 to select `Artist/Title/Album-Separation`.

4. Examine the Artist/Title/Album Separation screen. Use the ↹ (Tab) key to move the cursor to the Album column on the far right side of the screen.

5. Set the album separation time to 10 minutes.

6. Press F2 to save this setting.

7. Press F8 to display the Preferred Artist/Title/Album Separation screen.

8. Examine the screen. Use the ↹ (Tab) key to move the cursor to the Album column on the far right side of the screen.

9. Set the album separation time to 10 minutes.

10. Press F2 to save this setting.

11. Press ESC three times to return to the Music Policy menu.

📖 For complete details on setting scheduling rules in Selector, see section two of the *Selector Manual*.

If You Are Using Dual-Player CD Changers..., continued

Setting the Priorities

1. From the Music Policy menu, press 2 to select `Priorities`.
2. Press the ↓ key once to move the "rules cursor" to just below `the UNBREAKABLE RULES (Unordered)` marker in the priorities list.
3. Press INS to `Insert an Unused Rule`.
4. Use the ↑ and ↓ keys to highlight `Album Separation`.
5. Press ENTER to select this rule.
6. Press F2 to save the new Priorities setup for this category.
7. Repeat steps two through six until this priority is set for every category in your music library.

IMPORTANT: If you are playing special programming from compact disc, such as a countdown program, you must *not* set this priority for *that category only*. All other categories require this setting for proper operation.

📖 For more information on scheduling special programming from compact disc, see *Setup for Special Programming on CD* beginning on page 3-212.

📖 For complete details on setting scheduling priorities in Selector, see *Priorities* in section two of the *Selector Manual*.

Setting Up Your Category Rules and Music Policy

- If you have been using Selector for some time and you made no changes to the way you categorized the songs in your music library, you now may skip to *Configuring Your Selector Clocks*, on the following page.
- If you are using Selector for the first time or if you changed the way you categorized your music library, please follow the steps outlined in the *Selector Manual* to establish some basic category rotation and music policies.

📖 To learn more about establishing rules and policies, please refer to Music Policy in section two of the Selector Manual.

Configuring Your Selector Clocks for UDS II

If you have not already done so, create music rotation clocks and clock assignment grids to schedule those clocks in Selector. Clocks determine the flow and rotation of the songs scheduled by Selector.

📖 For more details about creating Selector clocks or utilizing these clocks to their full potential (including opener and pattern codes, levels, etc.), please consult section three of the *Selector Manual*.

Now that Selector has been configured to play all of your music, you may also use the clocks to control a variety of real-world events that you wish to happen at regular, predictable places in your schedule. This scheduling is accomplished by using *breaknotes*.

- If you wish to insert an event in a set position in an hour, go to the position in the Selector clock that holds the song you wish the breaknote to precede.

  For example, if you want a breaknote before the fifth song in the hour, use the ↑ and ↓ keys to highlight the fifth song.

- Press the INS key to insert a new position into the clock.

- Type a *lower-case* `b` in the Category field.

- Press ↹ (Tab) until the cursor is in the `Item #` column.

- Type F5 then INS to open the Insert/Edit a Breaknote window.

- Type a one to four digit number to identify the breaknote, the approximate run time for this breaknote, and leave this breaknote at the default `Stopset?` setting of `No`.

- Type the breaknote, using the breaknote 'language' detailed on the pages that follow, in the field that now fills your screen.

UDS II Breaknote Commands

You can use breaknotes to tell the UDS II to perform a variety of actions, or events. However, it is necessary to use special breaknote codes, or commands, to schedule these events. With the following explanations and examples (and a little practice), you can easily harness the full resources of Selector and UDS II.

There are two major types of breaknotes—those that occur at a specific *position* in the schedule and those that occur at a particular *time* in the schedule. Breaknotes based on a specific position are executed as they come up in the natural sequence of the schedule. Time-specific breaknotes are stored in a special holding list (or *array*) and executed at the scheduled time even if their original position in the schedule is not "next to air" at that time.

The following is an example of a time-specific breaknote. It tells UDS II to carry out a time-specific event—turn on utility relay four at 20 minutes past the hour, for a duration of 10 seconds.

```
~10 ^84 :20:00 [4]
```

That looks a bit complicated. However, if we separate the breaknote into its component parts, it is not as complicated as it looks.

`~10` tells UDS II that the relay should be turned on for 10 seconds.

`^84` identifies this as a breaknote that turns on a utility relay.

`:20:00` specifies that the relay should be activated at exactly 20 minutes past the hour.

`[4]` identifies utility relay 4 as the relay to turn on at 20 minutes past the hour.

The syntax for utility relays will be covered in more detail later in this section.

A time-specific event occurs at the number of minutes and seconds specified past the top of the hour in which the event is scheduled. For example, if this breaknote is placed in the 1:00 p.m. hour, utility relay four will be switched on at 1:20 p.m. If the same breaknote is placed in the 4:00 a.m. hour, the relay will be switched on at 4:20 a.m.

The following list covers breaknote commands for UDS II, explains each command, and illustrates the syntax (format) of each. The list will be followed by examples, notes, and a handy reference chart.

UDS II Breaknote Commands, continued

Breaknote Syntax

~ (Tilde) "The length of this event, in seconds, is..."

Format: **~S**
where *S* is the approximate length in seconds

Example: ~120

This does not necessarily mean the event must *run* for exactly 120 seconds–it only lets the UDS II know the approximate duration of the event. This allows the UDS II to keep the scheduled-at time better synchronized with the real world.

^ (Caret) "The *mandatory* UDS II source number is..."

Format: **^N**
where *N* represents the Source Number

Example: ^9

This tells the UDS II that this event uses source number nine and can not be automatically deleted by the source 81 non-destructive *time-update* feature. Time-update works to keep the UDS II on schedule by deleting surplus events at scheduled times.

IMPORTANT! UDS II sources are determined by your UDS II equipment file. While source 10 is usually pre-configured as the "live studio" source and source 9 is usually configured for digital audio playback, your UDS II may vary. Check the equipment file printout included with your system documentation for your system's configuration.

Sources 01 through 79 are reserved as normal UDS II audio input sources. Sources 81 through 83 and source 90 are used for time-update commands. Sources 84, 85, 94, and 95 are used to turn utility relays on and off. Sources 86 through 88 and source 96 are used to automate system start-up and shutdown. Source 98 displays informational text message on the UDS II main screen. Source 99 is used for spot-catchers, a special type of breaknote used for the merging of your traffic and music logs.

📖 For more information on UDS II source utilization, see Breaknote Source Number Commands beginning on page 3-26.

UDS II Breaknote Commands—Breaknote Syntax, continued

@ (At Sign) "The *non-mandatory* UDS II source number is..."

Format: **@N**
where *N* represents the Source Number

Example: @9

This tells UDS II that this event uses source number 9 and that this event may be deleted by any type of time-update removal by the UDS II.

IMPORTANT! Do not use the @ with a spot-catcher (UDS II Source 99). That would permit commercials gathered in by the spot-catcher to be subject to source 81 non-destructive time-update removal by the UDS II.

{} (Brace Pair) "Play this digital audio cart."

Format: **{nnnn}**
where nnnn is a zero-padded four-digit cart number

Example: {0701}

This instructs the digital audio playback device to play cart number 0701.

IMPORTANT! The cart identifier *must* be a *zero-padded* four-digit number. A zero-padded number is one where zeroes are added to the front of a number to make that number contain a certain number of digits. For example, "45" zero-padded to four digits would be "0045".

UDS II Breaknote Commands—Breaknote Syntax, continued

: (Colon) The colon has two different breaknote uses.

When a colon is placed inside a brace pair, it means: **"Rotate this list of digital audio cart numbers, inclusive."**

Format: **{bbbb:eeee}**,
where bbbb is a zero-padded four-digit beginning number
and eeee is a zero-padded four-digit ending number for the list of carts.

Example: {1701:1709}

The UDS II Merge program, part of the Utilities for the UDS II, combines your music and traffic logs into a single UDS II playlist that the uses to control all aspects of system operation and audio playback. This "rotate" function allows you to cycle through a sequence of digital audio cuts such as jingles or sweepers. The example above will rotate a list of digital audio carts from 1701 through 1709.

IMPORTANT! While a cart number may normally contain letters, cart numbers you wish to rotate must use only *numbers*.

This number is automatically incremented by one each time this breaknote is encountered during the merge process. In addition, the Merge program remembers the last number scheduled from day to day, thus permitting you to stagger the rotating carts. When using rotating cart numbers, make sure that the digital audio device contains a cart for each number in the sequence.

When a colon is used in conjunction with a **spot-catcher** (^99), it indicates the time-range for the Merge program to consider when gathering spots from the commercial log.

Format: **^99 :BM :EM**
where *BM* is the beginning minute and *EM* is the ending second of the time-range

Example: ^99 :00 :17

This alerts the UDS II Merge program to gather in all spots logged between :00 and :17 minutes after the hour, inclusive, for playback in this break. The ^99 indicates this command is a spot-catcher.

IMPORTANT! It is vital that you account for every possible spot break in every hour! You must arrange spot-catchers to cover every possible time (every minute in every hour, from :00 to :59, inclusive) when a spot could possibly be logged.

UDS II Breaknote Commands—Breaknote Syntax, continued

*** (Asterisk) "Do *not* schedule this cart unless spots are caught by the spot-catcher immediately following this event."**

Format: **{*nnnn}**
where *nnnn* is a zero-padded four-digit cart number

Example: `~8 ^9 {*5002} Station Promo ^99 :35 :57`

This instructs the merge program to add digital audio cart 5002 to the schedule *only* if spots are actually caught by the spot-catcher immediately following this expression. If the spot-catcher doesn't catch any spots, this item *will not* play.

The format is `{*nnnn}`, where `nnnn` is any zero-padded four-digit number. You can also use the asterisk in a rotating breaknote. However, the cart number continues to increment even if no cart is scheduled.

< (Less Than) When this immediately precedes the text description of a breaknote event, UDS II treats this item as a *time-compare event.*

CAUTION: This should *not* be used with a digital audio hard-drive event. This overrides the serial-data end-of-message signal (or *Aux mark*) returned by the digital audio playback device and may end the event prematurely. It is best suited for events that do not send an end-of-message signal of any kind, or as "protection" for events where an end-of-message signal should be returned. This flag is also very useful for live events where a fixed or limited time is desired.

Format: **<TEXT**
where *TEXT* represents the text you type in for your breaknote

Example: `~120 ^10 <LIVE NEWS BREAK`

This tells the UDS II to put source number 10 on the air for *exactly* 120 seconds, or until PRTSC is pressed, whichever comes first. The UDS II displays the message `LIVE NEWS BREAK` in both the schedule and on the UDS II screen when this event airs.

UDS II Breaknote Commands, continued

Breaknote Source Number Commands for Time-Specific Events

81 Non-destructive Time Update

Format: **^81 :MM:SS**

where *:MM:SS* is the update time, in minutes and seconds past the hour
MM=Minutes, from 00 to 59
SS=Seconds, from 00 to 59

When the current time-of-day matches the update time as specified in the breaknote, UDS II will attempt to remove all events between the on-air event and the event immediately following the time-update breaknote.

If mandatory events are encountered by the non-destructive time update, they are not removed.

The non-destructive time update also protects against back-to-back CD changer errors. The time update routine compares the source number, disc ID, and run time of the event on the air with the event following the time update breaknote. An evaluation is made based on the following questions:

- Will the update result in a back-to-back player error?
- Will the update result in a back-to-back CD error?
- Will the update cause a Next Not Ready error?

If the answer to any of the questions above is yes, the time-update routine enters a *pending* mode until a segue occurs. During pending mode, events are not removed from the UDS II schedule.

After the UDS II advances to the next event, the time-update system again compares the on-air event with the event following the time-update breaknote. If conditions allow, the update occurs. If not, the time-update system again enters pending mode until the next segue.

UDS II Breaknote Commands—Time-Specific Events, continued

82 Destructive Time Update

Format: **^82 :MM:SS**

where *:MM:SS* is the update time, in minutes and seconds past the hour
MM=Minutes, from 00 to 59
SS=Seconds, from 00 to 59

When the current time-of-day matches the update time as specified in the breaknote, *all* events between the on-air event and the event immediately following the breaknote are dropped. The event following the breaknote is moved into the next-to-air position. Both mandatory and non-mandatory events are deleted by the destructive time update command.

Update 82 provides no protection against back-to-back CD changer errors or insufficient reload times. For this reason, update 82 should only be used in situations where the object of the time update is a non-CD event (such as a network news event or digital audio hard-drive event) of sufficient duration as to allow the CD changer to load.

83 Update and Advance

Format: **^83 :MM:SS**

where *:MM:SS* is the update time, in minutes and seconds past the hour
MM=Minutes, from 00 to 59
SS=Seconds, from 00 to 59

When the current time-of-day matches the update time as specified in this breaknote, all events between the on-air event and the event following the breaknote are deleted. The on-air event is faded out, and the event following the breaknote is placed on-air. This command is useful for network joins where a particular audio source must be turned on at a specific time.

Update 83 provides no protection against back-to-back CD changer errors or insufficient reload times. For this reason, update 83 should only be used in situations where the object of the time update is a non-CD event (such as a network news event or digital audio hard-drive event) of sufficient duration as to allow the CD changer to load.

UDS II Breaknote Commands—Time-Specific Events, continued

84 Utility Relay On

Format: **~DD ^84 :MM:SS [R]**

where *~DD* specifies the duration in seconds, up to and including 3600 seconds, for the relay to remain on. If no duration is specified, the relay remains on until a UDS II command 85 or 95 (relay off) is processed. See breaknote command 85 below for more information.

:MM:SS is the time, in minutes and seconds past the top of the hour, when the relay is to be activated.
MM=Minutes, from 00 to 59
SS=Seconds, from 00 to 59

[R] Specifies the desired utility relay, from 1 to 4, inclusive.

When the current time-of-day matches the time specified in the breaknote, the utility relay is turned on. If a duration is given in the breaknote, the utility relay will remain on for the specified duration, in seconds, then turn off. If no duration is given, the relay will turn on and remain on until a breaknote command 85 or 95 is processed.

You may activate multiple relays with one breaknote. The relays will be simultaneously activated for the same length of time unless individually deactivated by a command 85 or 95.

Activate multiple relays by stacking the desired utility relay numbers as in this example:

```
~240 ^84 :25:00 [1] [3]
```

This example activates utility relays #1 and #3 at 25 minutes past the hour. Unless turned off by a command 85 or 95, these relays will each remain on for four minutes.

85 Utility Relay Off

Format: **^85 :MM:SS [R]**

where *:MM:SS* is the time, in minutes and seconds past the top of the hour, when the relay is to be turned off.
MM=Minutes, from 00 to 59
SS=Seconds, from 00 to 59

[R] specifies the number of the utility relay to be turned off, from 1 to 4, inclusive. Multiple relays may be turned off simultaneously with multiple [R] commands.

When the current time-of-day matches the time specified in the breaknote, the utility relay (previously turned on with breaknote command 84 or 94) is turned off.

UDS II Breaknote Commands—Time-Specific Events, continued

86 System Stop

Format: **^86 :MM:SS**

where *:MM:SS* is the time, in minutes and seconds past the top of the hour, when UDS II is to be placed in Stop mode.
MM=Minutes, from 00 to 59
SS=Seconds, from 00 to 59

When the current time of day matches the time specified in the breaknote, UDS II enters Stop mode. All CD changers that are cued to play will put the compact discs away, and the system will stop after the current on-air event concludes.

87 System Start (Live Control Mode)

Format: **^87 :MM:SS**

where *:MM:SS* is the time, in minutes and seconds past the top of the hour, when UDS II is to be placed in Live Control mode.
MM=Minutes, from 00 to 59
SS=Seconds, from 00 to 59

When the current time of day matches the time specified in the breaknote, UDS II will advance the schedule to the proper time of day, cue the next scheduled event in the Next to Air window, and go into Live Control (standby) mode. To start the system, press either the PRTSC or the remote start button. The event will play to completion and the system will remain on "standby" until the PRTSC or the remote start button is pressed. If you wish the system to continue playing events as scheduled, press F2 to toggle the UDS II into AutoSegue mode.

88 System Start (AutoSegue Mode)

Format: **^88 :MM:SS**

where *:MM:SS* is the time, in minutes and seconds past the top of the hour, when UDS II is to be started in AutoSegue mode.
MM=Minutes, from 00 to 59
SS=Seconds, from 00 to 59

When the current time of day matches the time specified in the breaknote, UDS II will advance the schedule to the proper time of day, cue the next scheduled event in the Next to Air window, and start that event as soon as it is ready. Events will continue to play as scheduled until a live studio or other event halts the UDS II.

UDS II Breaknote Commands—Time-Specific Events, continued

90 Fill/Schedule Time Update

Format `^90 :MM:SS`

where `:MM:SS` is the update time, in minutes and seconds past the hour
`MM`=Minutes, from 00 to 59
`SS`=Seconds, from 00 to 59

When a Fill/Schedule time update is pending, at 30 seconds before the end of the event currently on the air the UDS II analyzes next event to see if it can play to completion before the update time. If there is sufficient time, the event will be allowed to play to completion and the Fill/Schedule time update will analyze each following event until the time update has passed. If there is *not* sufficient time to play the analyzed event, *all* events between the on-air event and the event immediately following the breaknote are dropped. A "fill" cart selected from a list of digital audio carts will play for the exact amount of time between the end of the event on-air event and the scheduled time of the Fill/Schedule time update command. Both mandatory and non-mandatory events are deleted by the destructive time update command.

You will need to record a series of digital audio "fill" carts of increasing length. The first cart will play from 1 to 10 seconds, depending on how much time needs to be filled, and must be a minimum of 10 seconds in length. The second cart will play from 11 to 20 seconds, depending on how much time needs to be filled, and must be a minimum of 20 seconds in length. Continue recording digital audio "fill" carts until you have a sufficient number to cover all possible required "fill" times.

These "fill" carts are selected from a list setup in the UDS II Hotkey feature. Name the first list of hotkeys `BACKFIL1.DHK`. Enter the "fill" carts in increasing order by length from 10-second carts to 100-second carts. If you wish to add "fill" carts ranging from 110 to 200 seconds in length, add a second list of hotkeys called `BACKFIL2.DHK`.

Note: This command is only valid if you are using the Computer Concepts DCS digital audio hard-drive system.

Update 90 operates in a manner identical to update 82 and thus provides no protection against back-to-back CD changer errors or insufficient reload times. For this reason, update 90 should only be used in situations where the object of the time update is a non-CD event (such as a network news event or digital audio hard-drive event) of sufficient duration as to allow the CD changer to load.

📖 For more information on the UDS II hotkey editor, see *Alt-H—Hotkeys for DCS* in Chapter Four of this manual.

UDS II Breaknote Commands, continued

Breaknote Source Number Commands for Position-Specific Events

The following breaknote commands are not time-specific; they are executed as the events they precede in the UDS II schedule move into the On the Air window.

9 Digital Audio Cart

Format: **`~S ^9 {nnnn} Cart name`**

where *`~S`* is the approximate run time, in seconds

`nnnn` is the assigned digital audio cart number

`Cart name` is a description of the digital audio cart

This schedules a specific digital audio cart to play at a fixed position in the schedule. This is often for jingles, sweepers, or legal IDs.

Note: This command is only valid if you are using the On Air Digital RadioSuite or Computer Concepts DCS digital audio hard-drive systems.

10 Live Studio Break

Format: **`~S ^10 Description`**

where *`~S`* is the approximate run time, in seconds

`Description` is a text message that appears with this event

This schedules a specific digital audio cart to play at a fixed position in the schedule. This is often for jingles, sweepers, or legal IDs.

Note: This command is only valid if you are using the On Air Digital RadioSuite or Computer Concepts DCS digital audio hard-drive systems.

89 Load Hotkey Files

Format: **`^89 :MM:SS FILENAME.DHK`**

where *`:MM:SS`* is the load time, in minutes and seconds past the hour

`FILENAME.DHK` is the name of the hotkey list to be loaded

This loads a hotkey list into memory so the UDS II may access a specific set of digital audio carts without manual intervention. This is often used by satellite programmed stations to switch liners for different air talents or programs.

Note: This command is only valid if you are using the On Air Digital RadioSuite or Computer Concepts DCS digital audio hard-drive systems.

UDS II Breaknote Commands—Position Events, continued

94 Relay On

Format: **~DD ^94 [R]**

where *~DD* specifies the duration in seconds, up to and including 3600 seconds, for the relay to remain on. If no duration is specified, the relay remains on until a UDS II command 85 or 95 (relay off) is processed. See breaknote command 95 below for more information.

[R] Specifies the desired utility relay, from 1 through 4, inclusive.

This command is used to turn on one of the four UDS II utility relays. If a duration is specified, the relay will remain on for the specified period of time, then turn off. If no duration is specified, the relay will remain on until a breaknote command 85 or 95 is encountered.

You may activate multiple relays with one breaknote. The relays will be activated simultaneously for the same length of time unless individually deactivated by a command 85 or 95. Activate multiple relays by stacking the desired utility relay numbers as in the following example:

```
~240 ^94 [2] [3]
```

This example activates utility relays #2 and #3. Unless deactivated by a command 85, these relays will each remain on for four minutes.

95 Relay Off

Format: **^95 [R]**

where *[R]* Specifies the desired utility relay, from 1 through 4, inclusive.

This command is used to turn off one or more of the utility relays (previously turned on with breaknote command 84 or 94). Multiple UDS II utility relays turned on with either the 84 or 94 breaknote command may be turned off with multiple [R] commands.

```
^95 [1] [4]
```

This example deactivates utility relays #1 and #4.

UDS II Breaknote Commands—Position Events, continued

96 System Stop

Format: `^96`

This command places UDS II in Stop mode. After the on-air event preceding this breaknote starts, all CD players are unloaded and the system is placed in Stop mode.

97 Load Schedule

Format: `^97`

When the event following this command moves into the On the Air window on the UDS II main screen, this command loads a single schedule from the default schedule loading directory as configured in the F8 System Configuration window's Path setup. This is often used by people who schedule for the UDS II at a remote location and cannot manually press the F10 key to begin the schedule loading process from the UDS II keyboard.

📖 For more information on UDS II system configuration and path setup, see *F8 System Configuration* in Chapter Four of this manual.

98 Informational Text Message

Format: `^98 Informational text for UDS II operator`

where *`Informational text for UDS II operator`* is a text message, up to 40 characters in length.

When this text message is encountered by UDS II, the message is displayed on the information display line at the bottom of the UDS II main screen. The message is displayed when the event immediately following the informational text breaknote moves to the on-the-air window.

An exclamation point (!) may be placed immediately before the text string to make the message flash, to add a sense of urgency to the text message. Activate the blinking text message as in the following example:

```
^98 !Announce contest winners next
```

UDS II Breaknote Commands—Position Events, continued

99 Spot-catcher

Format: **^99 :BM :EM**

where *:BM :EM* is a time-range, with BM representing the Beginning Minute past the top of the hour and EM representing the Ending Minute past the top of the hour

This command tells the Merge program to look at the defined range of times in your commercial log, "grab" all of the events scheduled in that time period, and place them in your schedule at this location during the merge process.

IMPORTANT! You must account for *every* possible spot break in every hour! Arrange spot-catchers to cover every possible time when a spot can be logged. See the examples beginning on page 3-35.

Note: This command is only valid if you are using the On Air Digital RadioSuite or Computer Concepts DCS digital audio hard-drive systems.

UDS II Breaknote Examples

Now that you know the breaknote commands and their component parts, you can arrange these commands to make your UDS II do many things. For example, you can call for digital audio events, keep the schedule on time, and set up your music log to be merged with your commercial log. Two of the most useful and popular breaknote commands you can schedule are the spot-catcher and the time-update breaknotes.

The examples that follow more fully explore and describe the proper syntax for breaknotes to schedule the various breaknote commands:

Spot-Catcher Examples

If you are merging your music and commercial logs, you must establish spot-catchers in your clocks wherever you want the break to occur. These commands tell the Merge program to look at a certain time period in your commercial log, "catch" all of the spots scheduled in that time period, and place them in your schedule at this location during the merge process.

Format: `^99 :BM :EM`

where *`:BM :EM`* indicates a time-range where *`BM`* is the beginning minute and *`EM`* is the ending minute.

You will need to use several spot-catcher breaknote commands in each hour to cover every minute in each hour. Spots scheduled by traffic but *not* caught by spot-catchers may appear at incorrect times in your merged schedule. In the example below, the Merge program would grab all spots scheduled to play between 12 and 27 minutes after the hour, inclusive.

Example: `^99 :12 :27`

IMPORTANT! You must account for *every* minute of the hour to cover *every* possible spot break in *every* hour. If, for example, your stop sets are scheduled to occur at 10, 30, 40, and 50 minutes past the hour then your spot-catcher breaknote commands should resemble the sample breaknotes below:

RIGHT	WRONG
`^99 :00 :18`	`^99 :05 :14`
`^99 :19 :35`	`^99 :26 :31`
`^99 :36 :49`	`^99 :37 :49`
`^99 :50 :60`	`^99 :51 :58`

Much like a baseball catcher must attempt to catch not only strikes but wild pitches as well, the spot-catcher must be wide-ranging enough to catch spots in *every minute of the hour.*

Breaknote Examples, continued

Time-Update Command Examples

81 Non-destructive Time Update is used in situations where precise timing is not critical but excess events must be removed to keep the UDS II on-time and on-schedule while allowing the event on the air to play to completion. Time update 81 removes only "non-mandatory" non-music events (those with @X-style source numbers, where X represents the UDS II audio source) while leaving "mandatory" events (those with ^X-style source numbers) such as commercials in the schedule. All music events are non-mandatory.

This update is "sensitive" to back-to-back CD and CD changer errors and will not remove an event if this removal would result in a Next Not Ready error. These updates are most often used by stations not needing to meet fixed-time events such as network news or other programming. These updates are normally placed just before stop sets to delete unneeded "fill" songs and begin the stop set at a set approximate time.

For example, you want a commercial stop set to play at approximately the bottom of the hour. Since this update allows the event on the air to play to completion and is non-destructive to mandatory events, you need to set the update a minute or two before the desired start time. This allows the UDS II to play the current event to completion before the start of the stop set but does not permit any non-mandatory events to start and seriously delay the stop set. This non-destructive time update also protects you from dead air that could result from accidental back-to-back CD changers across a relatively short stop set.

The example below shows, in context, how the Update 81 breaknote can be used in a clock to protect a stop set-preceding "mandatory" promo while removing excess songs and a "non-mandatory" sweeper event:

```
SONG FROM PLAYER 2        (Song scheduled by Selector)
~10 @9 {3612} SWEEPER     (Non-mandatory sweeper cart)
SONG FROM PLAYER 1        (Song scheduled by Selector)
SONG FROM PLAYER 3        (Song scheduled by Selector)
~30 ^9 {4102} AM PROMO    (Mandatory promo cart)
^81 :28:00                (Non-Destructive Time Update 81)
^99 :25 :39               (:30 Stop set spot-catcher)
```

After the Update 81 takes place, the following events will remain on the UDS II:

```
SONG ON THE AIR           (Event on the air when the update occurred)
CART #4102 "AM PROMO"     (Mandatory digital audio cart scheduled between on
                           air event and the time update)
FIRST SPOT IN STOP SET    (Stop set scheduled immediately after time update)
```

Breaknote Examples—Time Update Commands, continued

82 Destructive Time Update is used in situations where precise timing is not critical but excess events *must* be removed to keep the UDS II on-time and on-schedule while allowing the event on the air to play to completion. Time update 82 removes both "mandatory" and "non-mandatory" events from the schedule.

For example, you want a stop set to begin at approximately the bottom of the hour. Since this update is destructive to all types of events but allows the event on the air to play to completion, you need to set the update a minute or two before the desired start time. This allows the UDS II to play the current event to completion before the start of the stop set but does not permit any new event to begin and delay the start of the stop set.

Note: This update is not "sensitive" to back-to-back CD and CD changer errors and will remove an event even if the removal would result in a Next Not Ready error. Due caution is advised when using this update and, if your UDS II uses CD changers, it should only be used in situations where the object of the time update is a non-CD event of sufficient duration to allow the CD changer to load.

The example below shows, in context, how the Update 82 breaknote can be used in a clock to start a commercial stop set on-time by removing all excess events, even the promo entered as mandatory:

```
SONG FROM PLAYER 2          (Song scheduled by Selector)
~10 @9 {3612} SWEEPER       (Non-mandatory sweeper cart)
SONG FROM PLAYER 1          (Song scheduled by Selector)
SONG FROM PLAYER 3          (Song scheduled by Selector)
~30 ^9 {4102} AM PROMO      (Mandatory promo cart)
^82 :28:00                  (Destructive Time Update 82)
^99 :25 :39                 (:30 Stop set spot-catcher)
```

After the Update 82 takes place, the following events will remain on UDS II:

```
SONG ON THE AIR             (Event on the air when the update occurred)
FIRST SPOT IN STOP SET      (Stop set scheduled immediately after time update)
```

83 Update and Advance Time Update is used in situations (such as satellite-delivered programming) where precise timing is *absolutely* critical and excess events, *including* the one currently on the air, *must* be removed to keep UDS II on-time and on-schedule.

For example, you want a stop set to begin at *exactly* 30 minutes past the hour. Since this update is destructive and immediate, you need to set the update at one second before the desired start time of the stop set. The UDS II will rapidly fade the event currently on the air and *immediately* start the event following the time update command, deleting any unneeded events between the on-air event and the "target" of the time update.

Breaknote Examples—Time Update Commands, continued

Note: This update is not "sensitive" to back-to-back CD and CD changer errors and will remove an event even if this removal would result in a Next Not Ready error. Due caution is advised when using this update and, if your UDS II uses CD changers, it should only be used in situations where the object of the time update is a non-CD event of sufficient duration to allow the CD changer to load.

The example below shows, in context, how such a breaknote would be entered in a Selector clock:

```
SONG FROM PLAYER 2        (Song scheduled by Selector)
~10 @9 {3612} SWEEPER     (Non-mandatory sweeper cart)
SONG FROM PLAYER 1        (Song scheduled by Selector)
SONG FROM PLAYER 3        (Song scheduled by Selector)
~30 ^9 {4102} AM PROMO    (Mandatory promo cart)
^83 :29:59                (Update and Advance Time Update 83)
^99 :25 :39               (:30 Stop set spot-catcher)
```

After the Update 83 takes place, the following event remains on UDS II:

```
FIRST SPOT IN STOP SET    (First element in stop set scheduled immediately
                           after time update placed on the air by Update 83)
```

90 Fill/Schedule Time Update is used in situations where precise timing is absolutely critical and excess events must be removed to keep the UDS II on-time and on-schedule *without* fading a song or other event prematurely.

For example, if you want play a station legal ID then a join a network newscast at precisely the top of the hour, since this update is destructive and immediate, you need to set the update at one second before the desired start time of the legal ID. The length of this legal ID must also be accounted for when setting the update time so the UDS II will join the network newscast on time. The UDS II analyzes the next event 30 seconds before it is scheduled to air and, if it is unable to play the event to completion before the scheduled update time, performs the Fill/Schedule time update. UDS II deletes all remaining events up to the update point and, if needed, fills any time remaining from a pre-defined list of "fill" carts, as described on page 3-30.

The example below shows, in context, how such a breaknote would be entered:

```
^90 :59:52                (Fill/Schedule Time Update)
~07 ^9 {2003} LEGAL ID    (Station legal ID cart at end of current hour)
~90 ^5 JMS NETWORK NEWS   (Network newscast at top of following hour)
```

Breaknote Examples, continued

Digital Audio Event Examples

These breaknote commands schedule digital audio events other than those commercials gathered in by spot catchers at specific *positions* in the schedule. These commands are used to schedule jingles, sweepers, stations legal IDs, station promotional announcements, and other non-commercial digital audio.

> **IMPORTANT!** The following examples use UDS II source 9 as the default digital audio hard-drive source. Check the equipment file documentation to see if this is true of your UDS II as well. If not, please substitute the correct source number for 9 when using these breaknote commands to play digital audio events.

➪ To call for a single "mandatory" digital audio event that *cannot* be removed from the schedule by an Update 81 command, use the following format:

```
~30 ^9 {1003} HAUNTED HOUSE PROMO
```

This schedules "mandatory" cart number 1003, approximately 30-seconds in duration, to be played from source 9 (the digital audio playback device). The text following the closing brace (up to 39 characters long) describes this event in your UDS II schedule as HAUNTED HOUSE PROMO. If you are using a Computer Concepts DCS for digital audio, the name of the cart, as stored on the DCS, appears in the Ready to Air and On the Air boxes.

➪ To call for a single "non-mandatory" digital audio event that *can* be removed from the schedule by an Update 81 command, use the following format:

```
~30 @9 {1003} HAUNTED HOUSE PROMO
```

This schedules "non-mandatory" cart number 1003, approximately 30-seconds in duration, to be played from source 9 (the digital audio playback device). The text following the closing brace (up to 39 characters long) describes this event in your UDS II schedule as HAUNTED HOUSE PROMO. If you are using a Computer Concepts DCS for digital audio, the name of the cart, as stored on the DCS, appears in the Ready to Air and On the Air boxes.

➪ To schedule a liner or promo to precede a stop set, but you don't want that event to play if there are not any spots scheduled in that stop set, the series of breaknote commands should follow this example:

```
~10 ^9 {*5001} STOP SET INTRO (Conditional event)
^99 :17 :28                   (:20 stop set)
```

Breaknote Examples—Digital Audio Events, continued

The Merge module of the Utilities for the UDS II will schedule digital audio cart 5001 *only* if the commercial log has spots scheduled between 17 and 28 minutes after the hour, inclusive. If there are no spots within that range, then cart 5001 would not be scheduled.

➪ To schedule a rotating series of digital audio events, use the following format:

```
~60 ^9 {7201:7203} MORNING SHOW PROMO
```

This schedules a "mandatory" event, approximately 60-seconds in duration, from source 9 (the digital audio playback device), playing one of three rotating cuts, in order. The text following the closing brace describes this event in your UDS II schedule as MORNING SHOW PROMO. If you are using a Computer Concepts DCS for digital audio, the name of the cart, as stored on the DCS, appears in the Ready to Air and On the Air boxes.

The first time the UDS II Merge program sees this command, it schedules cart number 7201. The second time it schedules cart 7202, the third time cart 7203, the fourth time cart 7201, and so on. In addition, the UDS II Merge program remembers rotations from day to day. If the last cart scheduled on one day by this example command was 7202, the next cart scheduled will be 7203, even in the next day's schedule.

Important: When rotating cart numbers in this manner, be sure that the digital audio hard-drive device contains a valid cart for all numbers specified.

Breaknote Examples, continued

Utility Relay Command Examples

84 Utility Relay On is used to activate one or more of UDS II's four utility relays at a specific *time of day*. These relays can be used to turn on lights, trigger tone generators, or signal any device that will accept a dry contact closure. You may choose to have the relay on for a set period of time by specifying a run time or choose to leave the relay on until deactivated by not specifying a set run time. You may turn on multiple relays simultaneously by stacking relay numbers on one breaknote line.

To activate a single relay (#3 in this example) at 29 minutes and 30 seconds after the hour that you wish to run for exactly 30 seconds, enter the following breaknote:

```
~30 ^84 :29:30 [3]
```

To activate a single relay (#2 in this example) at 45 minutes and 15 seconds after the hour that you wish to run until otherwise deactivated, enter the following breaknote:

```
^84 :45:15 [2]
```

To simultaneously activate two relays (#1 and #4 in this example) at exactly 05 minutes after the hour that you wish to run until otherwise deactivated, enter the following breaknote:

```
^84 :05:00 [1] [4]
```

85 Utility Relay Off is used to deactivate one or more of UDS II's four utility relays at a specific time of day. You may use this command to turn off relays turned on by commands 84 and 94 whether they were set to run indefinitely or set to run for a specific time. You may turn off multiple relays simultaneously by stacking relay numbers on one breaknote line.

To deactivate a single relay (#2 in this example) at 53 minutes and 45 seconds, enter the following breaknote:

```
^85 :53:45 [2]
```

To simultaneously deactivate two relays (#1 and #3 in this example) at exactly 12 minutes after the hour, enter the following breaknote:

```
^85 :12:00 [1] [3]
```

Breaknote Examples—Utility Relay Commands, continued

94 Utility Relay On is used. used to activate one or more of UDS II's four utility relays at a specific *position* in the schedule. The relay will be activated as soon as the event this command precedes goes into the On the Air window. These utility relays can be used to turn on lights, trigger tone generators, or signal any device that will accept a dry contact closure. You may choose to have the relay on for a set period of time by specifying a run time or choose to leave the relay on until deactivated by not specifying a set run time. You may turn on multiple relays simultaneously by stacking relay numbers on one breaknote line.

To activate a single relay (#3 in this example) that you wish to run for exactly 30 seconds, enter the following breaknote:

```
~30 ^94 [3]
```

To activate a single relay (#2 in this example) that you wish to run until otherwise deactivated, enter the following breaknote:

```
^94 [2]
```

To activate two relays (#1 and #4 in this example) that you wish to run until otherwise deactivated, enter the following breaknote:

```
^94 [1] [4]
```

95 Utility Relay Off is used to deactivate one or more of UDS II's four utility relays at a specific *position* in the schedule. The relay will be deactivated as soon as the event this command precedes goes into the On the Air window. You may use this command to turn off relays turned on by commands 84 and 94 whether they were set to run indefinitely or set to run for a specific time. You may turn off multiple relays simultaneously by stacking relay numbers on one breaknote line.

To deactivate a single relay (#2 in this example) enter the following breaknote:

```
^95 [2]
```

To simultaneously deactivate two relays (#1 and #3 in this example) enter the following breaknote:

```
^95 [1] [3]
```

Breaknote Examples, continued

System Start and Stop Command Examples

86 **System Stop** is used to automatically place the UDS II into Stop mode at a specific *time of the day*. This command halts all system activity and unloads all CD changers upon completion of the event on the air. This is useful if the UDS II is in an environment where it will remain unused for several hours at a stretch and needs to be "put to sleep" automatically.

To place the UDS II into Stop mode at 58 minutes and 30 seconds after the hour, enter the following breaknote:

```
^86 :58:30
```

87 **System Start (Live Control Mode)** is used to automatically place the UDS II into Live Control mode at a specific *time of the day*. This command resumes normal system activity and reattaches the schedule to match the current time. This is useful if the UDS II is in an environment where it will remain unused for several hours at a stretch and needs to be "woken up" automatically but *not* resume play until started manually.

To place the UDS II into Live Control mode at precisely 03 seconds after the hour, enter the following breaknote:

```
^87 :00:03
```

88 **System Start (AutoSegue Mode)** is used to automatically place the UDS II into AutoSegue mode at a specific *time of the day*. This command resumes normal system activity and reattaches the schedule to match the current time. This is useful if the UDS II is in an environment where it will remain unused for several hours at a stretch and needs to be "woken up" and resume unattended operation automatically.

To place the UDS II into AutoSegue mode at 10 minutes and 30 seconds after the hour, enter the following breaknote:

```
^88 :10:30
```

96 **System Stop** is used to automatically place the UDS II into Stop mode at a specific *position* in the schedule. This command halts all system activity and unloads all CD changers upon completion of the event on the air. This is useful if the UDS II is in an environment where it will remain unused for several hours at a stretch and needs to be "put to sleep" automatically.

To place the UDS II into Stop mode, enter the following breaknote:

```
^96 :58:30
```

Breaknote Examples, continued

Miscellaneous Command Examples

89 Load Hotkey Files automatically loads a stored list of digital audio hotkeys for manual or automatic playback. A specific set of hotkeys may then be triggered from the Alt-keys or by dry contact closures without further user intervention. This command is most frequently used by stations carrying satellite programming as a way to "switch" liners and drops for the various air personalities.

For example, to load a set of carts for evening host Delilah, first create a hotkey list on the UDS II called DELILAH.DHK using the carts you need to play back during her show. Add the following breaknote to the start of each hour that Delilah is on the air:

```
^89 :00:00 DELILIAH.DHK
```

You may also change hotkey lists at any time during the hour with the breaknote 89 command. For example, if you wish to load "road report" carts shortly before the scheduled report at 30 minutes past the hour—and you have previously created a hotkey list called ROADS.DHK—then add the following breaknote to your clocks:

```
^89 :29:30 ROADS.DHK
```

97 Load Schedule is used to automatically import a schedule into the UDS II. This is often used when playlist schedules are created and transferred by a person who cannot or does not wish to go to the UDS II keyboard and load them manually. Place this breaknote command in the schedule at a point when the next day's logs will be ready for import but no later than 40 events before the end of the current log. Use the following format:

```
^97
```

98 Informational Text Message is used to display messages on the main screen of the UDS II to remind the operator to take readings, promote an upcoming event, or any other message you wish to relay. These messages, up to 40 characters long, are displayed at the bottom of the UDS II screen and, given proper formatting, can even flash to draw attention to themselves.

For example, if you want to remind the operator to promote an upcoming station event, enter the following breaknote:

```
^98 Promo WOAS Fall Festival November 2nd
```

If you want the operator to take special notice of the text message, you can make it blink by prepending the text message with an exclamation point, as in this example:

```
^98 !Important-Take Transmitter readings
```

Breaknote Examples, continued

Legacy Audio Sources

Legacy audio sources such as reel-to-reel tape players, cart machines, and other devices may also be scheduled and played using breaknotes. The following examples outline the ways these devices may be addressed by the UDS II.

Note: These audio sources must be routed through the A4000 audio controller and be properly configured in your UDS II equipment file. If you need more A4000 input cards or a new UDS II equipment file, please contact On Air Digital USA or the On Air Digital representative in your country for more information.

➪ To schedule an event to be started by contact closure (such as a cart player or tone generator) that will *return an end-of-message closure* to start the next event, use this format:

```
~DD ^XX TEXT DESCRIPTION
```

where *~DD* specifies the duration in seconds, up to and including 3600 seconds, for the approximate run time of the event.

^XX specifies the source used by the device.

`TEXT DESCRIPTION` describes the event or device in the schedule

For example, if you want to schedule an event approximately 60 seconds in duration, to be played from a device on source 7, to be described as “Sports Minute” in your UDS II schedule and on the UDS II main screen, enter the following:

```
~60 ^7 SPORTS MINUTE
```

Note: This breaknote *requires* that the device return an end-of-message signal for the UDS II to proceed to the next event in the schedule. If this device does not return an EOM, the UDS II will remain on this event until the operator starts the next event manually.

Breaknote Examples—Legacy Audio Sources, continued

➪ To schedule an event to be started by contact closure (such as a cart player or tone generator) that will run for a *fixed length of time* before starting the next event, use this format:

```
~DD ^XX <TEXT DESCRIPTION
```

where *~DD* specifies the duration in seconds, up to and including 3600 seconds, for the maximum run time of the event.

^XX specifies the source used by the device.

< specifies that this is a time-compare event

TEXT DESCRIPTION describes the event or device in the schedule

This format should be used for sources that do not provide an EOM (end of message) closure, such as news networks. For example, if you want to schedule an event 60 seconds in duration, to be played from a device on source 7, to be described as "Sports Minute" in your UDS II schedule and on the UDS II main screen, enter the following:

```
~60 ^7 <SPORTS MINUTE
```

Note: This breaknote instructs the UDS II to proceed to the next event after the run time has elapsed. However, this is a *maximum* run time and the UDS II will proceed immediately if the devices return an end-of-message signal before the run time has elapsed. manually.

➪ If you want to place a live studio break in your schedule, thus stopping the system at a pre-defined place in the schedule, use the following format:

```
~30 ^10 LIVE NEWS/WEATHER BREAK
```

This translates into a live studio break approximately 30 seconds long. Source 10 is the default configuration for the live studio. The text describes the event in your UDS II schedule and on the UDS II main screen as LIVE NEWS/WEATHER BREAK. The system will not advance until PRTSC is pressed or a contact closure is received from source 10.

Notes on Breaknotes

- Each breaknote command must be entered on its own line in the Selector format clocks using the "b" (breaknote) code.

- If you use the * (asterisk) in conjunction with a contingent digital audio event, the next breaknote command in the schedule *must* be a spot-catcher. If no spot catcher is present, the contingent digital audio event will *never* be scheduled.

- Much as the English language uses single spaces to separate words, there must be exactly one space between each expression in a breaknote.

  For example, the breaknote

  ```
  ~60^9{1001}MorningPromo
  ```

  makes no more sense to the computer than the message

  ```
  Inthenottoodistantfuture,nextSundayAD.
  ```

  makes to you when you attempt to read it.

- Treat each part of a breaknote expression as a single word. Too many spaces can do as much harm as too few spaces.

  For example, the breaknote

  ```
  ~ 120 ^ 9 { 1004 } I M A G E P R O M O
  ```

  makes no more sense than spacing a phrase in English like this

  ```
  M o r e m u s i c , l e s s t a l k , n o r a p !
  ```

Breaknote Commands Chart

Format Key (for use with Breaknote Syntax chart)	
S	Approximate length in seconds
N	Source number
nnnn	zero-padded four-digit digital audio cart number
bbbb:eeee	bbbb is a zero-padded four-digit beginning number and eeee is a zero-padded four-digit ending number
:BM :EM	a time-range, in minutes and seconds past the hour; where BM=the beginning minute, from 00 to 59 and EM=the ending minute, from 00 to 59
:MM:SS	the time, in minutes and seconds past the hour; where MM=minutes, from 00 to 59 and SS=Seconds, from 00 to 59
DD	DD specifies the duration in seconds for the relay to stay on
[R]	Specifies the desired utility relay, from 1 to 4, inclusive

Breaknote Syntax (for use with Format Key chart)		
Command	**Format**	**Description**
~ (Tilde)	~S	The length of this event, in seconds, is...
^ (Caret)	^N	The *mandatory* UDS II source number is...
@ (At Sign)	@N	The non-mandatory UDS II source number is...
{ } (Brace Pair)	{nnnn}	Play this digital audio cut
: (Colon)	{bbbb:eeee} or ^99 :BM :EM or :MM:SS	Rotate this list of digital audio cut numbers or Indicates a time-range for Spot-catchers or Indicates a time for Time-specific events
* (Asterisk)	{*nnnn}	Do *not* schedule this cut unless spots are caught by the spot-catcher following this event
< (Less Than)	<	When this immediately precedes the text description of a breaknote event, UDS II treats this item as a *time-compare event.*

UDS II Breaknote Commands—Commands Charts, continued

Breaknote Source Number Commands for Time-Specific Events		
Source Number	**Format**	**Description**
81	^81 :MM:SS	Non-destructive Time Update
82	^82 :MM:SS	Destructive Time Update
83	^83 :MM:SS	Update and Advance Time Update
84	^84 :MM:SS [R] *or* ~DD ^84 :MM:SS [R]	Utility Relay On
85	^85 :MM:SS [R]	Utility Relay Off
86	^86 :MM:SS	System Stop
87	^87 :MM:SS	System Start (Live Mode)
88	^88 :MM:SS	System Start (AutoSegue Mode)
90	^90 :MM:SS	Fill/Schedule Time Update

Breaknote Source Number Commands for Non-Time-Specific Events		
Source Number	**Format**	**Description**
9	~S ^9 {NNNN} *Cart Name*	Digital audio cart
10	~S ^10 *Description*	Live source
89	^89 :MM:SS FILENAME.DHK	Load Hotkey Files
94	^94 [R] *or* ~DD ^94 [R]	Relay On
95	^95 [R]	Relay Off
96	^96	System Stop
97	^97	Load Schedule
98	^98 *Text Message*	Informational message displayed on UDS II main screen
99	^99 :BM :EM	Spot-catcher

Reports and Log Forms

To create files that can be used by the Utilities, you must setup a few special report and log formats in Selector. The setup procedures are fairly easy and step-by-step procedures are included in this manual. However, the manual is not a replacement for the *Selector Manual*. If any Selector terms or commands are unfamiliar, refer to that manual for guidance.

Log Format 8 Setup

To generate music schedules that can be interpreted by the Utilities (and thus the UDS II), you must first configure one of Selector's Log Formats following the instructions listed below. Log Format 8 is used for the sake of consistency and convenience.

1. From Selector's main menu, press 7 to select the `Print the Log` subsystem.

2. From the Print the Log menu, press F4 to select `Edit Log Formats`.

3. Type 8 to select `Log Format 8`.

4. From the Edit Log Format 8 menu, press 5 to select `Log Parameters`.

5. Set the log parameters as follows:

   - Font for Entire Header/Footer : `P`
   - All options that start: "# of Lines" : `0`
   - Print Unscheduled Positions? : `No`
   - Print “Anniversary” Notes (Days) : `-0 +0`
   - Artist Notes : `No Artist Notes`
   - “Rotate” Notes : `BEFORE Stopsets`
   - Print Song Notes? : `No`

   Set the Automation File Output Name to `@WWWWWWWW.DSS` (the “At” symbol, eight capital Ws, a period, and DSS). Leave all other parameters at their default settings.

6. Press F2 to save the parameters. After Selector has successfully saved the information, Selector will display `Screen Saved` at the top-left of your screen.

7. Press ESC to return to the Edit Log Format 8 menu.

Reports and Log Forms—Log Format 8 Setup, continued

8. From the Edit Log Format 8 menu, press 4 to select `Header/Footer Design`.

9. Configure the Header/Footer to these settings:

   (Header) `@H@A`
   `@M@D`

   (Footer) `@IIII`

   NOTE: Ignore any display in the Song/Breaknote Mockups section of this screen. This display will change as the Selector setup continues.

10. Press F2 to save these parameters.

11. Press ESC to return to the Edit Log Format 8 menu.

12. From the Edit Log Format 8 menu, select 1 for `Song Design`.

    You must now make an important decision.

- When you use the Accumulated Time method, each new hour begins at :00. The start time of each event is based upon the accumulated run time of the prior events.

  All stations using a digital audio playback device with a serial interface to UDS should choose this method.

- If you would like the starting times for each song in your music schedule to reflect an artificial "log" time, you must use the Selector Time method.

  The Selector Time method uses the start time for each event assigned by Selector. Properly configured, the time spent in breaks, newscasts and special programs is factored in by Selector—premitting the UDS II "Sked At" time to be more accurate.

  This method is best suited for stations that are using UDS II strictly as a music handler.

NOTE: If you use the UDS II Schedule Editor to edit logs generated with the Selector Time method, you *must* disable the UDS II Schedule Editor's automatic time-recalculation feature.

📖 See *Configuring the Utilities for UDS II* on page 3-71 for more details on disabling this feature.

Reports and Log Forms—Log Format 8 Setup, continued

13. Configure Log Format 8, using the information in the tables below for the time method you have chosen. Any option not listed here *must* be left blank.

Field Name	Abbr.	Line	Column	Length	Font
SONG ID	ID	1	10	7	P
ARTIST	AR	1	45	20	P
TITLE	TI	1	20	24	P
INTRO1	I1	1	67	2	P
INTRO2	I2	1	71	2	P
MEDIA	ME	1	1	4	P
RUN TIME MM:SS	RT	1	75	5	P

Table 3-1— Accumulated Time method

Field Name	Abbr.	Line	Column	Length	Font
SONG ID	ID	1	10	7	P
ARTIST	AR	1	45	20	P
TITLE	TI	1	20	24	P
INTRO1	I1	1	67	2	P
INTRO2	I2	1	71	2	P
MEDIA	ME	1	1	4	P
RUN TIME MM:SS	RT	1	75	5	P
LOG: Air Time M/S	LT	1	5	5	P

Table 3-2— Selector Time method

14. After you set the Song Design, press F2 to save this information.

15. Press F7 for `Punctuation`. This must be set so that a colon (`:`) appears as shown in the following table:

Punctuation	Line	Column	Length	Font
:	1	66	1	P
:	1	70	1	P

Table 3-3— Song Design punctuation for both methods

Reports and Log Forms—Log Format 8 Setup, continued

16. Press F2 to save these parameters.

17. Press ESC twice to return to the Edit Log Format 8 menu.

18. From the Edit Log Format 8 menu, press 2 to select Breaknote Design. As with the song design, you may choose to use either the Accumulated Time or Selector Time method.

    IMPORTANT: These methods may *not* be mixed. Whatever method you chose for Song Design *must* also be your choice for Breaknote Design.

    Configure Breaknote Design using the information below for the time format you have selected:

	Abbr.	Line	Column	Length	Font
TITLE (breaknote)	TI	1	10	70	P

Table 3-4— Accumulated Time method for breaknotes

	Abbr.	Line	Column	Length	Font
TITLE (breaknote)	TI	1	10	60	P
LOG: Air Time M/S	LT	1	5	5	P

Table 3-5— Selector Time method for breaknotes

19. Press F2 to save the Breaknote Design Parameters.

20. From the Breaknote Design screen press F7 to select `Punctuation`.

    This field should be completely blank.

21. Press F2 to save these parameters.

22. Press ESC twice to return to the Edit Log Format 8 menu.

23. Press 3 to select `Cluster Header/Footer`.
    The Header and Footer fields should be completely blank.

24. Press ESC to return to the Edit Log Format 8 menu.

    NOTE: Since you must *never* leave an unscheduled position in your music schedule, Unscheduled Position Design is not used.

Reports and Log Forms—Log Format 8 Setup, continued

25. Press ESC twice to return to the Print the Log menu.

26. Selector must now be configured to print your music log to the filename required by the Utilities for the UDS II.

    From Selector's Print the Log menu, select F3 for `Log Format Assignments`.

27. Press F5 for `Automation File Name`.

28. Input the File Name as: `@WWWWWWWW.DSS`
    (The "At" symbol, eight *capital* Ws, a period, and DSS).

    This instructs Selector to print the schedule to a disk file whose name reflects the day of the week. For example, Friday's music log would be printed to `FRIDAY__.DSS`.

29. Press F2 to save these parameters.

30. Press ESC twice to return to the Print the Log menu.

31. Press F7 to configure the "Send to File" parameter.
    This parameter should be set to `A separate File for each Date`.

    This forces Selector to create separate files for each day's music log. You cannot merge more than one day at a time. The UDS II accepts and stores up to seven individual days worth of logs—the current day plus up to six consecutive future days.

📖 See *Utilities for the Ultimate Digital Studio II* beginning on page 3-69 for more information on merging and transferring logs.

32. Press ESC to return to the Print the Log menu.

Reports and Log Forms, continued

Report 100 Setup

Configure Report 100 to the following format so that Selector may generate a file that will ultimately produce your UDS II music library. This is the SSMUSIC.EXE file. This report is also used to keep UDS II aware of adds, deletions, and changes in the Selector music library.

1. From Selector's main menu, press 8 to select `Reports`.
2. To quickly move to Report 100, press CTRL END.
3. From the Reports menu, press F4 to edit Report 100.
4. From the Edit Report 100 menu, press 1 to select `Format`.
5. Set up Report 100 per the table below:

Report 100	Abbr.	Line	Column	Length	Font
SONG ID	ID	1	1	7	P
ARTIST	AR	1	8	35	P
TITLE	TI	1	45	40	P
ENDING	EN	2	30	2	P
INTRO 1	I1	2	1	2	P
INTRO 2	I2	2	5	2	P
INTRO 3	I3	2	10	2	P
OPENING	OG	2	25	2	P
RUNTIME	RT	2	15	5	P
ADDITIONAL: Radio Text	RX	2	50	30	P
ADDITIONAL: Record #	LT	2	45	4	P

Table 3-6— Report 100 setup

IMPORTANT: All other fields *must* be left blank.

6. Press F2 to save the Format information.

Reports and Log Forms—Report 100 Setup, continued

7. Press F7 to select `Punctuation` setup.

   This field should be completely blank.

8. Press ESC twice to return to the Edit Report 100 menu.

9. From the Edit Report 100 menu, press 5 to select `Parameters/Name`.

   - Set the Header Font to P for Pica.
   - Name the report: S E L E C T O R SPACE L I B R A R Y SPACE T O SPACE U D S SPACE I I SPACE L I B R A R Y.
   - *Except* for # of Lines after Header, which should be set to 1, set all other values to 0.
   - Sort order is not important.

10. Press F2 to save these parameters.

11. Press ESC to return to the Edit Report 100 menu.

12. From the Edit Report 100 menu, press 2 to select `Header`.

    This field should be completely blank.

13. Press ESC to return to the Edit Report 100 menu.

14. The remaining items from the Edit Report 100 menu, `Filter` and `Select Categories/Levels`, may be set as you wish.

    For the time being, you should either set these items to include *at least* every song in your active music library or just leave the items completely blank.

15. Press ESC to return to the Reports menu.

Reports and Log Forms, continued

Report 99 Setup

Report 99 is used to generate the SONG.DAT file. This special file allows you to use the Category Analysis features of the Utilities for the UDS II's Check program.

1. To configure Report 99, from Selector's main menu, press 8 to select `Reports`.
2. To quickly select Report 99, press CTRL END then the ↑ key.
3. From the Reports menu, press F4 to edit this report.
4. From the Edit Report 99 menu, press 1 to select `Format`.
5. Set up the Format parameters as shown the table below:

Report 99	Abbr.	Line	Column	Length	Font	Sort
SONG ID	ID	1	10	7	P	Leave blank
CATEGORY	CA	1	20	1	P	Leave blank
LEVEL	LV	1	21	1	P	Leave blank
MEDIA	ME	1	1	4	P	Leave blank

Table 3-7— Report 99 setup

IMPORTANT: All other fields must be left blank.

6. Press F2 to save this configuration to disk.
7. Press F7 to select `Punctuation` setup.

   This field should be completely blank.
8. Press ESC twice to return to the Edit Report 99 menu.
9. From the Edit Report 99 menu, press 5 to select `Parameters/Name`.
   - Set the Header Font to P for Pica.
   - Name the report S O N G . D A T SPACE R E P O R T SPACE G E N E R A T O R.
   - Except for `# of Lines after Header`, which should be set to 1, all other values should be set to 0.
   - Sort order is not important.

Reports and Log Forms—Report 99 Setup, continued

10. From the Edit Report 99 menu, press 2 to select `Header`.

    This field should be completely blank.

11. Press ESC to return to the Edit Report 99 menu.

12. The remaining items from the Edit Report 99 menu, `Filter and Select Categories/Levels`, may be set as you wish. For an accurate analysis, you must set these items to include only songs in your active music library.

13. Press ESC to return to the Reports menu.

Building the UDS II Music Library

The UDS II music library database contains all of the "permanent" information about every song that you play. You should only need to build this database when you first set up UDS II or when you make a major change (fifty or more song changes at one time) in the Selector database.

Once this initial music library database is built, you are responsible for making sure that the Selector and UDS II libraries remain "in sync." Any songs that are added, deleted, or changed in Selector must also be added, deleted, or changed in the UDS II.

You can update the database directly in the UDS II or via a special Selector Report. These methods are detailed in *Maintaining the UDS II Database Using Selector Reports*, beginning on page 3-64.

A change to your UDS II music library database is mandatory when any one or more of the following occurs:

- The run time of a song is changed.
- A song on an indexed CD is given time-compare status.
- A song marked time-compare is given indexed status.
- The intro time is changed.
- The title is changed.
- The artist is changed.
- The song's ending (fade, cold, etc.) is changed.
- The intro Cue-In time is revised.

NOTE: Moving a song to another category or level in Selector, if that is the *only* change, does not require a change be made in the UDS II music database.

To generate the UDS II music library database, you must first prepare a report of all the songs you wish to have available on the UDS II. To create this special report file, follow these steps:

1. From Selector's main menu, press 8 to select `Reports`.
2. Press CTRL END to choose Report 100, the last report on the list.
3. Press F5 and then define the input options to be used for the report.
4. Once the input criteria have been defined, generate the report by pressing F9 for `Print Options` then 2 to select `Send to File`. This step may take a few moments.

Building the UDS II Music Library, continued

5. After the report has been generated, press F9 for `Print Options` then 6 to jump to the `Print File Manager`.

6. From the Print File Manager menu, use the ↑ and ↓ keys to move the highlight bar to most recent version of the `Selector Library to UDS II Library` report file.

   NOTE: This report should be the first file in the list.

7. Press F3, `View a File`, to check the contents of the report you have just created. This report must contain every song you wish to have available for play in the UDS II.

   📖 Read *Print File Manager* in section five of the *Selector Manual* for details on using the file viewer.

   If the report file is correct, press ESC to return to the Print File Manager.
   Otherwise, return to step one and call RCS for help.

8. Press F4, `Copy a File`, so that the file can be given a new name.

9. Type the file name S E L 2 U D S . D A T.

10. Press F2 to begin the copy process.

11. After Selector displays the message `Report Copied`, press ESC four times to exit Selector completely.

12. Start the Utilities for the UDS II.

    - To start the Utilities from a DOS command prompt, type U D S M E N U ENTER.
    - To start the Utilities from Windows 95/98/NT, double click on the UDSMenu shortcut icon.

    NOTE: The Utilities for the UDS II are described in detail beginning on page 3-69.

13. From the Utilities main menu, press S to select `System Maintenance`.

14. From the System Maintenance menu, press B to select `Build a UDS II Music Library`.

15. The Utilities will prompt you to type the name of the file you just created. Type S E L 2 U D S . D A T.

16. Press F2 to begin the conversion process.

Building the UDS II Music Library, continued

17. You will see a series of numbers corresponding to the number of songs converted to the UDS music database. When the conversion is complete, a `Success!` message will appear on the screen.

18. Carefully note the number of songs converted to the UDS II music library file. If this number does not match the number of songs you expected to be converted, please make certain all songs in your Selector database meet the criteria listed below:

    A *valid CD identifier* is one that has at least one alphanumeric character, followed by a dash, followed by a one- or two-digit number greater than zero. In addition, you must not use a dash as part of the disc number. See page 3-9 for examples of valid song identifiers and common mistakes made while entering this data.

    A *valid MOHD identifier* is one that has at least one alphanumeric character, followed by a dash, followed by two zeroes. In addition, you must not otherwise use a dash as part of the MOHD cart number. See page 3-9 for examples of valid song identifiers and common mistakes made while entering this data.

    In addition, the *Title* and *Artist* fields must each contain at least one alphanumeric character. Any song that does not fit these criteria is not considered to be a valid song and will *not* be converted to the UDS II music library database.

19. If all of the songs were converted successfully, you have created two files.

    - The SSMUSIC.EXE file contains the actual music library required by UDS II.
    - The SSMUSIC.TXT file is a text file that you may view or print to confirm that the conversion process included all of the songs that you desired.

20. Press SPACE to clear the `Success!` message and begin the library copy process.

20. Place a blank, formatted diskette into the drive.

21. Type the diskette drive letter and press F2 to copy the SSMUSIC.EXE file to diskette.

    📖 The database building process is explained in detail in *System: Build a New UDS II Music Library*, beginning on page 3-196 of this manual.

Analysis of the Selector/UDS II Music Library

Analyzing Selector's music library, as it pertains to the UDS II, is an excellent idea when the system is first set up or when major changes are made to the UDS II library. This analysis, though not mandatory, is often helpful in pinpointing inefficiencies or problems in the Selector/UDS II data. To perform this analysis, an ASCII file, named SONG.DAT, must first be generated by a Selector report.

NOTE: To obtain accurate results, you *must* generate a new SONG.DAT file every time you wish to analyze the Selector library.

1. From Selector's main menu, type 8 to select `Reports`.

2. From the Reports menu, choose Report 99.
   This can be selected quickly by pressing CTRL END and then pressing ↑ once.

3. Select the data to examine by using the F5 Input Options key.

   IMPORTANT: Only valid, scheduled categories and levels should be included in the filter criteria.

4. Press F9 for `Print Options`.

5. Press 2 to select `Send to File`.

6. After Selector displays the message `Finished Generating the Report, Sent To Print File Manager`, press F9 for `Print Options`.

7. Press 6 to jump to the `Print File Manager`.

8. From the Print File Manager, move the highlight bar to the most recent version of the `SONG.DAT Report Generator` file.

9. Press F3, `View a File`, to check the contents of the report you have just created. This report must contain every song that you schedule for play in the UDS II.

   📖 Read Print File Manager in section five of the *Selector Manual* for details on using the file viewer.

   If the report file is correct, press ESC to return to the Print File Manager.
   Otherwise, return to step one and call RCS for help.

10. Press F4, `Copy a File`, so that the file can be given a name.

Analysis of the Selector/UDS II Music Library, continued

11. Type the file name S O N G . D A T.

12. Press F2 to begin the copy process.

13. After Selector displays the `Report Copied` message, press ESC four times to exit Selector completely.

14. Start the Utilities for the UDS II.

    - To start the Utilities from a DOS command prompt, type U D S M E N U ENTER.
    - To start the Utilities from Windows 95/98/NT, double click on the UDSMenu shortcut icon.

    NOTE: The Utilities for the UDS are described in detail beginning on page 3-69.

15. From the Utilities menu, press C for `Check UDS II Items`.

16. From the Check menu, press C to select `Category Analysis`.

    The report is converted to an analysis of the Selector data. This analysis is helpful to determine such things as distribution of the CDs among the CD changers and among your Selector categories. This analysis also pinpoints discrepancies between the UDS tray maps and Selector's Media fields.

    📖 The Category Analysis program is described in detail in *Check UDS II Items: Category Analysis*, beginning on page 3-120.

Maintaining the UDS II Database Using Selector Reports

You can use Selector to generate reports that update the UDS II music library database when songs are added, deleted, or changed in the Selector music library. This allows you to update your UDS II music library database from one central source, greatly reducing the possibility of error.

📖 You may also use a feature of the Utilities for the UDS II to alter the UDS II music library database. See *System: Update the Current Music Library* on page 3-201 for details.

1. From Selector's main menu, press 8 to select `Reports`.
2. Press CTRL END to choose Report 100, the last report on the list.
3. Press F5 and then define the input options to be used for the report.
4. Once the input criteria have been defined, generate the report by pressing F9 for `Print Options` then 2 to select `Send to File`. This step may take a few moments.
5. After the report has been generated, press F9 for `Print Options` then 6 to jump to the `Print File Manager`.
6. From the Print File Manager menu, use the ↑ and ↓ keys to move the highlight bar to most recent version of the `Selector Library to UDS II Library` report file.

   NOTE: This report should be the first file in the list.

7. Press F3, `View a File`, to check the contents of the report you have just created. This report must contain only the songs you wish to update in the UDS II music library database. You are responsible for the accuracy of these reports. Whatever information is found in these reports will be transferred to the UDS II music library database.

   📖 Read *Print File Manager* in section five of the *Selector Manual* for details on using the file viewer.

   If the report file is correct, press ESC to return to the Print File Manager.
   Otherwise, return to step one and call RCS for help.

8. Press F4, `Copy a File`, so that the file can be given a new name.

Maintaining the UDS II Database Using Selector Reports, continued

9. The report must now be given one of the following names: NEWADDS.DAT, DELETES.DAT, or CHANGES.DAT. The name chosen for each report indicates how the UDS II will process the data for each song in that report.

   - Songs being *added* to the UDS II music library database must appear in the NEWADDS.DAT report.
   - Songs being *deleted* from the UDS II music library database must appear in the DELETES.DAT report.
   - Songs being *updated* in the UDS II music library database must appear in the CHANGES.DAT report.

   If the report is *not* given one of these three names, then *none* of the new additions, deletions, or changes to the Selector music library in that report will be imported to the UDS II music library database.

   All three of these reports may be individually prepared for one schedule. However, these reports *must* be prepared *prior* to the transfer of the schedule to diskette (or network path, if you are using UDS II on a local area network).

10. Type the appropriate file name then press F2 to begin the copy process.

11. When Selector displays `Report Copied`, the naming process is complete. You may repeat these steps as necessary to create either of the other two reports.

    IMPORTANT: You should not create a new report with the same name until this set of updates has been processed and transferred to the UDS II. Otherwise the update report will be overwritten and the changes you wished to make will be lost.

12. After you have generated all the update reports you require, press ESC four times to exit Selector completely.

The contents of these reports are processed by the Transfer program and combined into a single file named NEWADDS.DB. This file is transferred after the PLAYLIST.SS file and any TRAYMAP files have been copied. When the schedule is imported into the UDS II, the system will update the UDS II music library database *before* the new schedule is loaded.

When NEWADDS.DB is transferred with the schedule, the **.**DAT files are deleted from your Selector data directory. However, a backup file called NEWADDS.OLD is created and may be viewed by selecting New Adds from the Check UDS II Items menu of the Utilities.

📖 See *Utilities for the Ultimate Digital Studio II*, beginning on page 3-69 , for details about the Check and Transfer programs.

Moving Songs to Another Compact Disc

From time to time, you may wish to consolidate songs from many singles or album CDs onto one recurrent or compilation CD. This is often the case with users of services such as TM Century's HitDisc and GoldDisc libraries. When the recurrent disc is issued, it will contain all or most of the songs you are still playing from the five or six singles discs that it replaces. This allows you to maximize CD player utilization.

The process for "moving" songs from one disc to another is different that the process of changing any other information about a song. The reason for this difference is that the *CD ID*, the song's disc and track number, is the key on which the UDS II music library database is centered.

To "move" a song from one CD to another, follow these steps:

1. Generate a DELETES.DAT report in Selector containing all of the songs you plan to move. This will remove all of the "old" songs from the UDS II music library database.

   For details on creating DELETES.DAT, see page 3-64.

2. Change the disc and track numbers for each song you are moving to reflect their new location in the system.

   📖 For details on Selector's Library Management functions, see section one of the *Selector Manual*.

3. Generate a NEWADDS.DAT report in Selector of all of the songs you moved. This will add all of the "new" songs to the UDS II music library database.

   For details on creating NEWADDS.DAT, see page 3-64.

NOTE: While this is the best way to change CD IDs and the method that we recommend, you may also change the CD ID directly in the UDS II F5 Music Library window.

Preparing the Daily Music Schedule

This is the everyday, routine part of the Selector/UDS II interface. After you generate and edit a day's music schedule in Selector, you must print the log to a file in a format that the Utilities can read. This schedule file must then be converted, checked, and possibly merged and edited before you transfer it to the UDS II.

To create the daily music schedule, follow these steps:

1. Create and edit a single-day music schedule using the `Schedulers` option from Selector's main menu.

   📖 For complete details on scheduling and editing a Selector music schedule, see section four of the *Selector Manual*.

2. From the Selector main menu, press 7 to select `Print the Log`.

3. Enter the range of dates and times to be printed.

   NOTE: Selector will save each day in the date range to its own file. In no case should this range be greater than seven days. Date ranges greater than seven days will result in schedules for the earliest of those dates being overwritten by schedules for later dates.

4. Use the ↑ and ↓ keys to move the highlight bar to the field showing the log format in use. The default setting is `Log Format Assignment Grid`.

5. Change this setting to `Log Format 8` by pressing the SPACE key until that name appears in the window.

   NOTE: If you changed the name of Log Format 8 during the log format setup, that is the name to look for during this step.

6. Press F9 for the `Print Options` menu and press 2 to choose `Send to File`.

7. Selector will display the message `Finished Generating the Report, Sent to Print File Manager` near the top of the screen when the file has been sent.

   NOTE: Thanks to the Automation Output File name you set up as part of the Log Format, Selector automatically names music schedules to reflect the corresponding day of the week. For example, printing a Selector log for Monday creates a file named MONDAY_ _**.**DSS.

8. Press ESC four times to exit Selector.

Preparing the Daily Music Schedule, continued

9. Start the Utilities for the UDS II:
   - To start the Utilities from a DOS command prompt, type U D S M E N U ENTER.
   - To start the Utilities from Windows 95/98/NT, double click on the UDSMenu shortcut icon.

10. From the Utilities main menu, press G to select `Generate a UDS II Music Schedule`.

11. Type the day of the week for the music log you just printed from Selector.

    If you cannot remember the day of the week, you may pick from a list of available music log files by pressing F3 then using the ↑ and ↓ keys to highlight an available day.

12. Once the day of the week has been entered or selected, press F2 to generate a schedule.

13. After the `Success!` Message appears on your screen, press SPACE to return to the Utilities main menu.

    If you receive an error message while generating a schedule, go back to Selector and make sure than all of the songs meet the criteria for a valid song as described earlier in this chapter. Fix any problems in the Selector music library and begin this section again from step 2.

    📖 See *Utilities for the Ultimate Digital Studio II*, beginning on page 3-69, for more details on checking, merging, editing, and transferring the daily music schedule.

Almost There...

Now that you have created the *music library* (SSMUSIC.EXE), *tray maps* (TRAYMAP.XXX), and *schedule* (PLAYLIST.SS) files, you are two-thirds of the way to completion. However, you must still learn how to check, analyze, merge, edit, and transfer the schedule before you send those files to the UDS II computer.

The next section, *Utilities for the Ultimate Digital Studio II*, will guide you through these items and teach you the full range of capabilities of these Utilities.

The Utilities for the Ultimate Digital Studio II

Overview

The Utilities for the UDS II are a sort of 'United Nations' for music scheduling software. The Utilities translate files from the Selector music scheduling software and the traffic scheduling program into files that can be read by the UDS II.

The Utilities alert you to many common system errors, store the map of your CD changer's trays, and allow you to make last-minute edits and changes to the merged playlist. The Utilities also provide you special analysis and report tools to keep the UDS II running at peak efficiency.

The "Utilities for the UDS II" are ***not*** the same as the "UDS II" itself. The Utilities for the UDS II use their own internal files and configurations, working with text files created by Selector and your traffic scheduling program, to create files that the UDS II can use.

Computer Preparation

Before you install the Utilities for the UDS II, you should perform tests on the music scheduling computer to make sure that it is in peak operating condition.

1. **Before installing the Utilities for the UDS II, run CHKDSK or SCANDISK on the music scheduling computer.** If you do not know how to run CHKDSK or SCANDISK and understand its output, please check with your facility's computer expert or system administrator.

   Make sure that CHKDSK (or SCANDISK) reports that the hard disk is clean (free of lost allocation units, crosslinked and/or truncated files as well as corrupted File Allocation Tables).

2. **Make sure that the computer to be used for Selector and the Utilities for the UDS II has at least 5 MB of free disk space on the target drive**.

Utilities for the UDS II, continued

Installation and Configuration

IMPORTANT: You must install the Utilities for the UDS II on the Selector music scheduling computer, *not* on the UDS II control computer.

Installing the Utilities for the UDS II

PLEASE NOTE: If you installed Selector on a drive other than C:, substitute that drive letter for C: in these instructions.

1. Make sure that you are at a DOS command prompt. If you are running Microsoft Windows 95, 98, or NT, select the "MS-DOS Command Prompt" from the Start Menu's Programs option. The prompt usually looks like this: C:\> or C:\WINDOWS>

2. Change to the subdirectory where the Selector music scheduling software resides. Type C D \ R C S \ S E L ENTER .

3. If your music database is in the standard DATA01 subdirectory, type C D SPACE D A T A 0 1 ENTER to change to that subdirectory.

   or If your music database is in a subdirectory named for your call letters, and, for example, they are KESD, type C D SPACE K E S D ENTER to change to that subdirectory.

   or If you are unsure what name was given to your music database subdirectory, type D I R SPACE / A D ENTER to view all subdirectories. Select the correct subdirectory name from the resulting list. (Ignore the "." and ".." listings.)

   Change to the selected database subdirectory by typing C D SPACE plus the name of the subdirectory then press ENTER .

   For example, if the selected music database subdirectory is named ROCKET9, type C D SPACE R O C K E T 9 ENTER to change to that subdirectory.

4. Insert the "Utilities for the UDS II" diskette into the diskette drive.

   This is usually the A: drive. If your computer has only one diskette drive, it is definitely the A: drive. If your computer has two diskette drives, the drive you need to use may be the B: drive. Substitute the correct diskette drive letter in the command below.

Installing the Utilities for the UDS II, continued

5. From the music database subdirectory's command prompt, run the installation program to transfer the files from the diskette to your hard drive.

   For your convenience, we have given the installation program the same name as your station's call letters or, in some cases, your company name. Type the letter of the diskette drive, a colon, and your call letters or company name (as written on the disk label) at the prompt.

   If you are unsure of the name to type, you may view a directory of the files in the diskette by typing D I R SPACE A : ENTER or D I R SPACE B : ENTER, as appropriate. The name to type will be followed by `EXE` in the directory listing.

   For example, of the diskette is in the A: drive and your station call letters are KESD, you would type A : K E S D ENTER.

6. When the music database subdirectory's command prompt returns, the installation of your new "Utilities for the Ultimate Digital Studio II" package is complete. However, for security reasons, before you may use the new Utilities, they must be registered with On Air Digital. The registration procedure will take about two minutes.

PLEASE NOTE: If you install another Selector music database for use with the UDS II or you move this data to another subdirectory, you must install and register the Utilities in each new music database subdirectory.

Configuring the Utilities for UDS II

Before the Utilities for UDS II can be used to create, merge, and transfer schedules to the UDS II, the software must be licensed for use on your Selector computer and various configuration options must be properly set.

The configuration of the Utilities is divided into four parts:

- Registration (beginning on page 3-72)
- Primary Configuration (beginning on page 3-73)
- Tray Map Configuration (beginning on page 3-76) (for systems with CD changers)
- Merge Configuration (beginning on page 3-81) (for systems with hard-drive audio)

Other options requiring the use of DOS environmental variables are described in detail later in this chapter. For example, if you are more comfortable with European-style dates, see the *Configuring the Date Display* section on page 3-220.

Utilities for the UDS II—Configuring the Utilities, continued

Registration

When you run the Utilities for UDS II for the first time, the Utilities will display the `UDS Utilities Registration` screen. You will not be able to proceed beyond this point until you call On Air Digital USA or the On Air Digital representative in your country.

1. As directed by On Air Digital, enter your station call letters or company name and the proper license term. Press F2 to proceed.

2. The License program returns a registration code—read this number to the customer support person.

3. Enter the two code numbers given to you.

4. Press F2 to complete the licensing process.

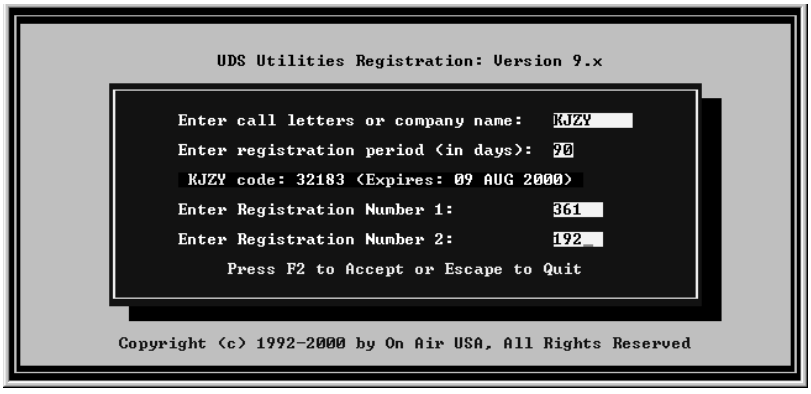

UDS Utilities Registration: Version 9.x
Enter call letters or company name: KJZY
Enter registration period (in days): 90
KJZY code: 32183 (Expires: 09 AUG 2000)
Enter Registration Number 1: 361
Enter Registration Number 2: 192
Press F2 to Accept or Escape to Quit
Copyright (c) 1992-2000 by On Air USA, All Rights Reserved

Figure 3-1 Sample UDS II Utilities Registration screen

Utilities for the UDS II—Configuring the Utilities, continued

Primary Configuration

A description for each of the configuration items follows. The default setting for each option is shown in parenthesis next to the name of each option.

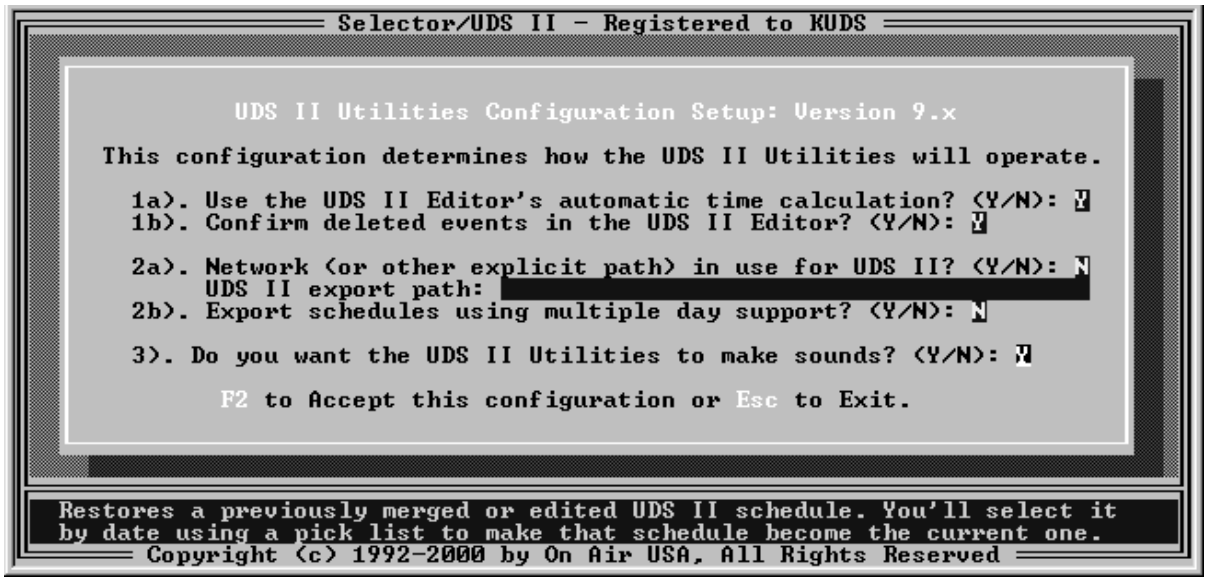

Selector/UDS II - Registered to KUDS
UDS II Utilities Configuration Setup: Version 9.x
This configuration determines how the UDS II Utilities will operate.
1a). Use the UDS II Editor's automatic time calculation? (Y/N): Y
1b). Confirm deleted events in the UDS II Editor? (Y/N): Y
2a). Network (or other explicit path) in use for UDS II? (Y/N): N
UDS II export path:
2b). Export schedules using multiple day support? (Y/N): N
3). Do you want the UDS II Utilities to make sounds? (Y/N): Y
F2 to Accept this configuration or Esc to Exit.
Restores a previously merged or edited UDS II schedule. You'll select it by date using a pick list to make that schedule become the current one.
Copyright (c) 1992-2000 by On Air USA, All Rights Reserved

Figure 3-2 UDS II Utilities Primary Configuration Screen

`1a. Use the UDS II Editor's automatic time calculation? (Y/N):(Y)`

In the configuration window, you can decide whether or not the UDS II Schedule Editor should automatically update the 'scheduled at' times for events when you save the schedule.

This feature was designed for stations where the UDS II is used *strictly as a music handler,* with the starting times for each song being provided by their music scheduling program, and breaks being played from contact closure devices. The automatic time update calculation is based on each hour starting at :00. There are some instances when a :00 based hour is not desired.

This feature was designed for stations not using the Selector music scheduling software. For this reason, please leave this option at the default setting of Y ENTER.
Type N ENTER only if so directed by On Air Digital technical support personnel.

Utilities for the UDS II—Configuring the Utilities; Primary Configuration, continued

```
1b. Confirm deleted events in the UDS II Editor? (Y/N): (Y)
```

While using the UDS II Schedule Editor, you must normally confirm any deletion of an event by pressing F2 after you press D. This option allows you to disable the safety feature so that pressing D or DEL will delete any event. This might be handy if you routinely delete a number of events each day.

If you wish to leave the confirmation feature in place, leave this at the default setting of Y ENTER. If you wish to override this feature, type N ENTER here.

```
2a. Network (or other explicit path) in use for UDS II?
    (Y/N): (N)
```

If both your Selector computer and your UDS II computer are connected to the same local-area network, it is possible to transfer files to the UDS II without diskettes. This option allows you to send your schedules, tray maps, and new adds files across the network to a special subdirectory where the UDS II can import them.

If the UDS II and Selector computers are *not* connected to a local-area network, or you do not wish to utilize the network in this way, please leave this option at the default setting of N and leave the UDS II Network path field blank.

If you do wish to use this option, type Y here. On the next line, type the complete name of the network subdirectory. For example, if your local-area network drive is drive F: and you want to put the files into the UDS2SKED subdirectory, type the following in the UDS II Network path field:

F : \ U D S 2 S K E D \ ENTER

Make a note of the path name you chose and configure the UDS II accordingly. You also need to create that subdirectory on the network drive before you may use it to transfer files. The UDS II must logon to the network, change to the network UDS II subdirectory, return to C:, and start UDS II by itself. See your network coordinator if you do not have sufficient access to create a new subdirectory off the root directory.

📖 For more information on using a local-area network with UDS II, see *Notes on Configuring UDS II as a Network Node* in Appendix A of this manual.

```
2b. Export schedules using multiple day support? (Y/N): (N)
```

It is possible to transfer up to seven consecutive days worth of schedule files to the UDS II across a local area network or on a single diskette. This option allows you to use UDS II's ALT F10 multi-day schedule import feature.

📖 For more information on using the ALT F10 multi-day schedule import feature, see *Alt-F10—Multi-Day Schedule Loading* in Chapter Four if this manual.

Utilities for the UDS II—Configuring the Utilities; Primary Configuration, continued

3. Do you want the Utilities for the UDS II to make sounds? (Y/N): (Y)

The Utilities for the UDS II make a variety of sounds to indicate whether a process is working, has completed, or has run into a problem. These sound effects work in conjunction with the messages displayed on the screen.

If you wish to keep the sound effects in operation, leave this option at its default setting of Y. If you wish to disable these sounds, type N here.

> ***Note*:** In the case of a "fatal error", sound effects *will be* emitted, regardless of your sound configuration preference. Even if you disable the sound effects, sound effects will still be emitted when a "fatal error" occurs. This override is by design to alert you to an extraordinary condition requiring your immediate attention.

IMPORTANT! After you have completed changing the Utilities primary configuration setup options, you *must* press F2 to save the changes.

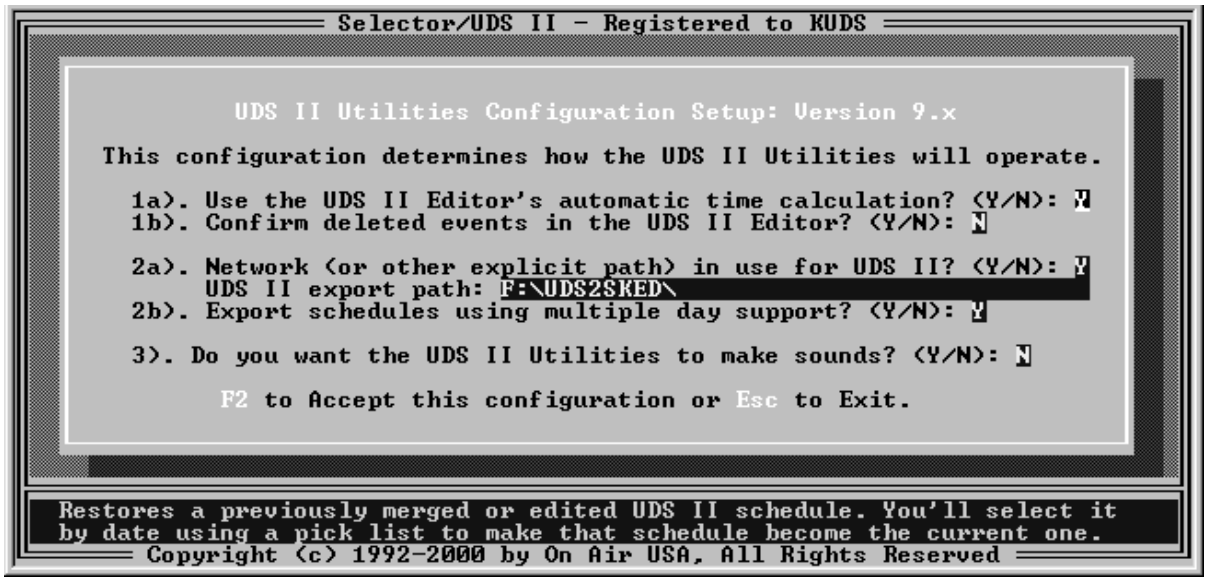

Selector/UDS II - Registered to KUDS
UDS II Utilities Configuration Setup: Version 9.x
This configuration determines how the UDS II Utilities will operate.
1a). Use the UDS II Editor's automatic time calculation? (Y/N): Y
1b). Confirm deleted events in the UDS II Editor? (Y/N): N
2a). Network (or other explicit path) in use for UDS II? (Y/N): Y
UDS II export path: F:\UDS2SKED\
2b). Export schedules using multiple day support? (Y/N): Y
3). Do you want the UDS II Utilities to make sounds? (Y/N): N
F2 to Accept this configuration or Esc to Exit.
Restores a previously merged or edited UDS II schedule. You'll select it by date using a pick list to make that schedule become the current one.
Copyright (c) 1992-2000 by On Air USA, All Rights Reserved

Figure 3-3 Example of a completed UDS II Utilities Primary Configuration Screen

To return to the Utilities for the UDS II Main menu, press ESC.

Utilities for the UDS II—Configuring the Utilities, continued

Tray Map Configuration

When you run the Tray Map program for the first time, the Tray Map Configuration screen is displayed. You must enter information about your UDS II system for the Tray Map program to function.

IMPORTANT! Tray maps and tray map configurations are required only if your UDS II system is using CD changers. Hard-drive-only systems do not use CD tray mapping.

1. From the Utilities menu, press R to select Revise or Review Tray Maps.

   The UDS II Tray Map Configuration window opens.

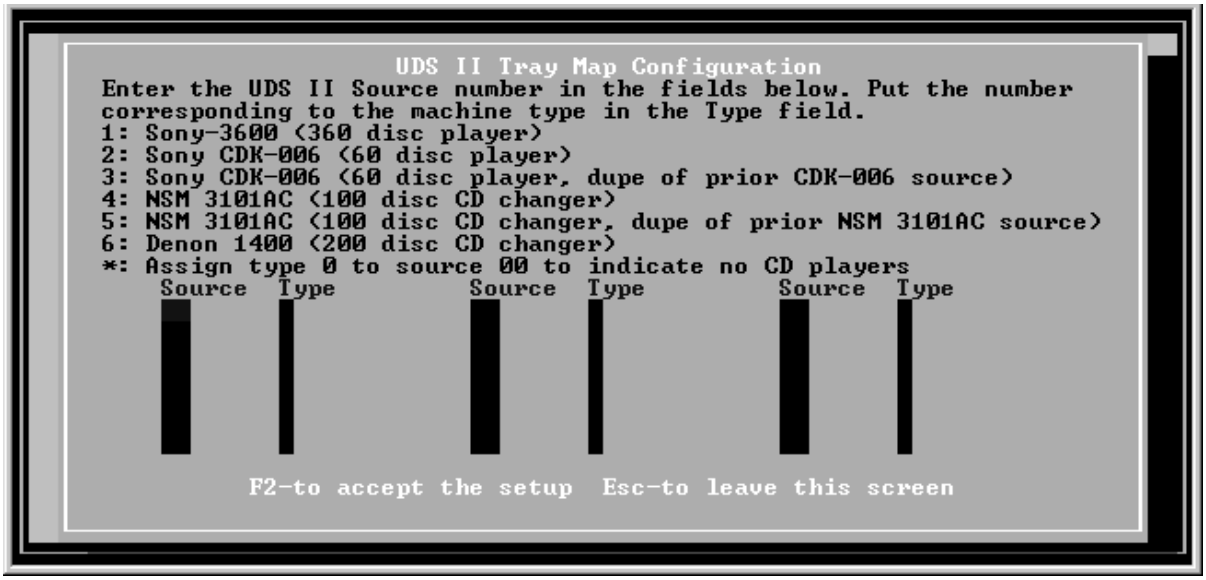

UDS II Tray Map Configuration
Enter the UDS II Source number in the fields below. Put the number
corresponding to the machine type in the Type field.
1: Sony-3600 (360 disc player)
2: Sony CDK-006 (60 disc player)
3: Sony CDK-006 (60 disc player, dupe of prior CDK-006 source)
4: NSM 3101AC (100 disc CD changer)
5: NSM 3101AC (100 disc CD changer, dupe of prior NSM 3101AC source)
6: Denon 1400 (200 disc CD changer)
*: Assign type 0 to source 00 to indicate no CD players
Source Type
Source Type
Source Type
F2-to accept the setup Esc-to leave this screen

Figure 3-4 UDS II Utilities Tray Map Configuration Screen

***Note*:** If you have already configured your Tray Maps, the program displays the CD player selection window. You may press ALT F10 to re-configure your Tray Maps.

Utilities for the UDS II—Configuring the Utilities; Tray Map Configuration, continued

Notice the instructions on the screen. You are requested to enter the CD changer machine type for each UDS II source number.

IMPORTANT! These source number assignments *must* match the UDS II equipment file printout provided with your UDS II documentation.

There are six CD changer machine types:

Type 1	Sony-3600	360-disc changer containing *two* CD players
Type 2	Sony CDK-006	60-disc changer with *one* CD player
Type 3	Sony CDK-006	60-disc changer with *one* CD player, duplicating previous CDK-006 source
Type 4	NSM 3101AC	100-disc changer with *one* CD player
Type 5	NSM 3101AC	100-disc changer with *one* CD player, duplicating previous NSM 3101AC source
Type 6	Denon DN-1400F	200-disc changer with *two* CD players

Note: You must remember that a *single* Sony CDK-3600 or Denon DN-1400F CD changer requires *two* consecutive UDS II source numbers. The lower of these two source numbers *must* be an odd-numbered source.

📖 Refer to the *Notes on Using Duplicate Libraries* section starting on page 3-193 for more information on setting up CD changers with duplicate libraries.

Utilities for the UDS II—Configuring the Utilities; Tray Map Configuration, continued

2. Fill in the information requested on the screen by entering the UDS II Source number followed by the machine type.

   The example below assumes you have one Sony CDK-3600 (Sources 01 and 02) and one Sony CDK-006 (Source 03):

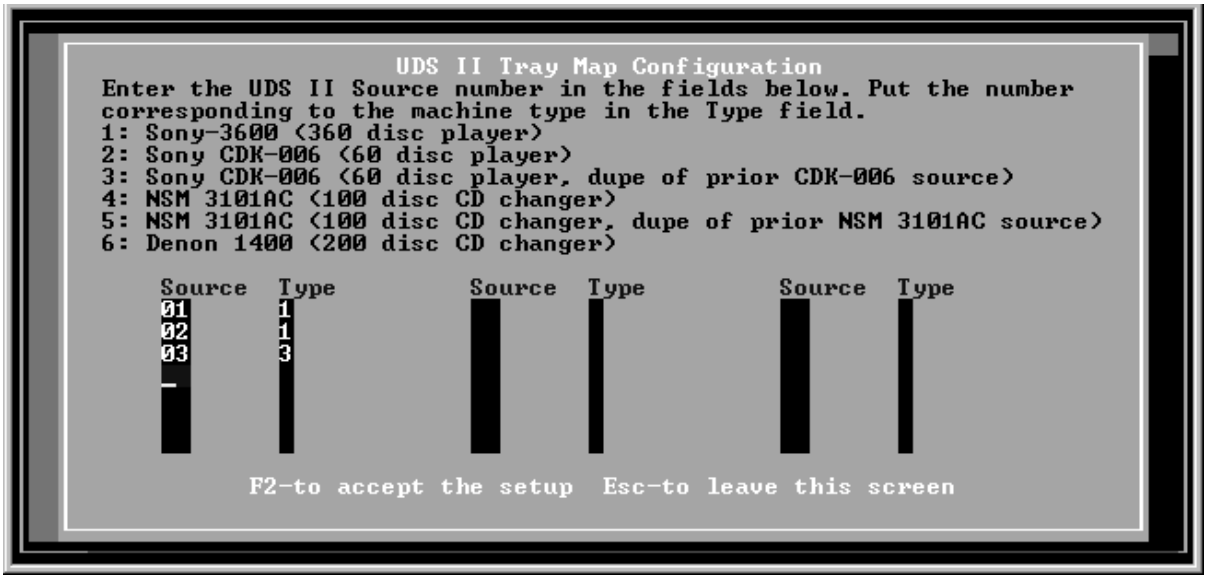

UDS II Tray Map Configuration
Enter the UDS II Source number in the fields below. Put the number
corresponding to the machine type in the Type field.
1: Sony-3600 (360 disc player)
2: Sony CDK-006 (60 disc player)
3: Sony CDK-006 (60 disc player, dupe of prior CDK-006 source)
4: NSM 3101AC (100 disc CD changer)
5: NSM 3101AC (100 disc CD changer, dupe of prior NSM 3101AC source)
6: Denon 1400 (200 disc CD changer)
Source Type Source Type Source Type
01 1
02 1
03 3
F2-to accept the setup Esc-to leave this screen

Figure 3-5 UDS II Utilities Tray Map Configuration Example

Utilities for the UDS II—Configuring the Utilities; Tray Map Configuration, continued

The following table of example configurations has been provided for your convenience. Refer to the table, if needed, when assigning the machine type codes to your UDS II source number. Remember, the UDS II source numbers are assigned in the UDS II equipment file and a printout of this file is included in your UDS II documentation.

Configuring Tray Maps	
UDS II Source Number	**Machine Type**
If you are using one Sony CDK-3600 *or* Denon DN-1400F	
01	1 *or* 6
02 (mirror of 01)	1 *or* 6
If you are using two Sony CDK-3600s or Denon DN-1400Fs	
01	1 *or* 6
02 (mirror of 01)	1 *or* 6
03	1 *or* 6
04(mirror of 03)	1 *or* 6
If you are using three Sony CDK-006s *or* NSM 3101ACs	
01	2 *or* 4
02	2 *or* 4
03	2 *or* 4
If you are using one Sony CDK-3600 *and* two NSM 3101ACs	
01	1
02 (mirror of 01)	1
03	4
04	4
If you are using duplicate libraries with four CDK-006s	
01	2
02	2
03 (mirror of 01)	3
04 (mirror of 02)	3
If you are using duplicate libraries with four NSM 3101ACs	
01	4
02	4
03 (mirror of 01)	5
04 (mirror of 02)	5

Utilities for the UDS II—Configuring the Utilities; Tray Map Configuration, continued

3. Press F2 to accept the setup.

   You have just configured your Tray Maps.

   The Tray Map program opens and prompts you for a source number.

On Air USA UDS II Tray Map System: Version 9.x
This program maintains your tray map files which tell
UDS II where it can find all of the CDs in your system.
Enter the CD Player Source number in the field below:
Enter or F2 to proceed. Escape to quit this program.
Press F5 to print a Tray Map Summary.
Press Alt-F10 to Configure Tray Maps
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-6 Tray Map Program Source Number Selection Screen

For the moment, press ESC to return to the Utilities Menu and continue the configuration process. Entering specific CD IDs into the tray maps is covered in depth in "Revise or Review Tray Maps" beginning on page 3-185.

Important: When entering CD IDs into the tray maps, you cannot enter CD IDs in mirrored sources. Mirrored sources are automatically updated for you by the Tray Map program.

Utilities for the UDS II—Configuring the Utilities, continued

Merge Configuration

When the UDS II Traffic Schedule Merge program is run for the first time, or if the configuration file is not present in the current working subdirectory, the program displays the Commercial Merge Configuration Setup screen. The Merge program *must* be configured before any merging of logs may take place.

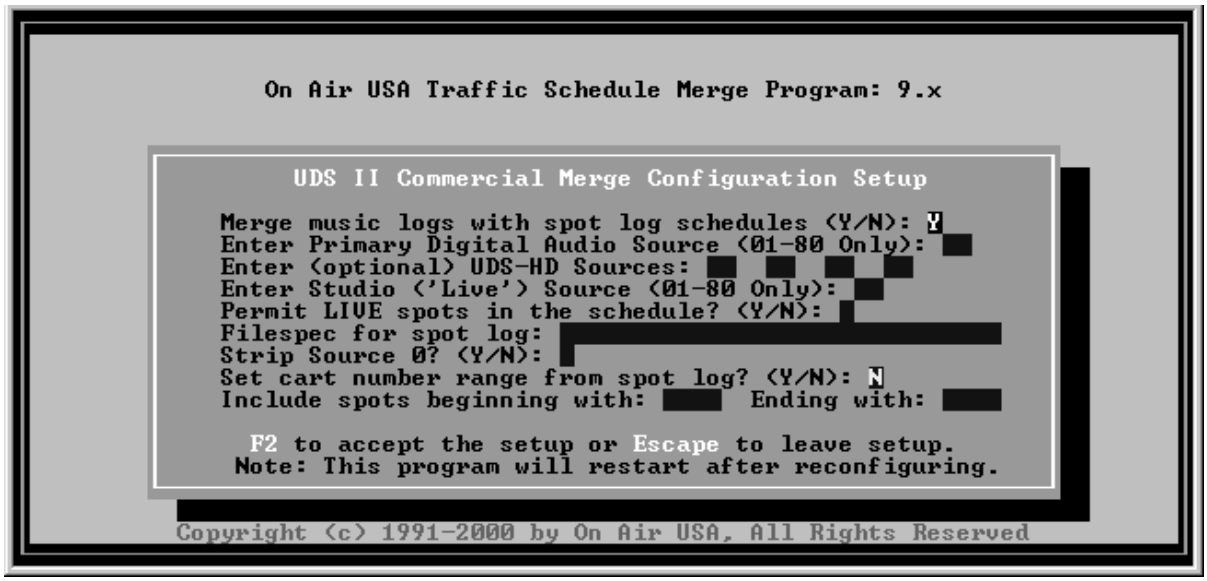

On Air USA Traffic Schedule Merge Program: 9.x
UDS II Commercial Merge Configuration Setup
Merge music logs with spot log schedules (Y/N): Y
Enter Primary Digital Audio Source (01-80 Only):
Enter (optional) UDS-HD Sources:
Enter Studio ('Live') Source (01-80 Only):
Permit LIVE spots in the schedule? (Y/N):
Filespec for spot log:
Strip Source 0? (Y/N):
Set cart number range from spot log? (Y/N): N
Include spots beginning with: Ending with:
F2 to accept the setup or Escape to leave setup.
Note: This program will restart after reconfiguring.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-7 UDS II Commercial Merge Configuration Setup

***Note*:** This program may be re-configured at any time by pressing ALT F10 from anywhere within UDS II Merge.

The configuration options in Commercial Merge Configuration Setup are as follows:

➪ `Merge music logs with spot log schedules? (Y/N): (Y)`

For all Selector users, the only correct answer is Y. Otherwise, the merge program configures itself to a special mode and will overwrite any music schedules that may be present. You *mus*t leave this option at the default setting of Y.

➪ `Enter Primary Digital Audio Source (01-80 Only):`

Type the UDS II source number configured for digital audio playback, as set in the UDS II equipment file. The printout of this file is included in the UDS II documentation you received with the system. The source must be entered as a zero-padded, two-digit number between 01 and 80, inclusive.

If, like most UDS II systems, you are using source 09 for digital audio, type 0 9.

Utilities for the UDS II—Configuring the Utilities; Merge Configuration, continued

➪ `Enter (optional) UDS II-HD Sources:`

If your UDS II is configured to play UDS-HD music on hard-drive, type the UDS II source numbers configured for UDS-HD, as set in the UDS II equipment file. The printout of this file is included in the UDS II documentation you received with the system. The source must be entered as a zero-padded, two-digit number between 01 and 80, inclusive

If, for example, you are using sources 05 and 06 for UDS-HD, enter 0 5 0 6 0 0 0 0.

➪ `Enter Studio ('Live') Source (01-80 Only):`

Type the UDS II source number configured as the live studio source, as set in the UDS II equipment file, in this blank. The printout of this file is included in the UDS II documentation you received with the system. The source must be entered as a zero-padded, two-digit number between 01 and 80, inclusive.

If, like most UDS II systems, you are using source 10 for the 'live' source, type 1 0.

➪ `Permit LIVE spots in the schedule? (Y/N):`

When this option is set to Y and the spot log to be merged contains the text LIVE in the cart number field, the event is handled as a live studio event in the UDS II schedule. Please note that letter case is not important—Live, live and LIVE are treated alike. The 'LIVE' cart will be replaced by an event on the live source (configured above) during the merge process. This 'LIVE' cart will retain the name is was given by the traffic scheduling program and this name will be displayed both in the UDS II schedule and on the UDS II main screen.

If this option is set to N, any event in the traffic log with a cart number of 'LIVE' will be removed at merge time and will not appear in the UDS II schedule.

IMPORTANT! Time-compare is *not* automatically provided for the live studio source. You must mark an event as time-compare, if you want the event to run for no more than a specific duration, in the UDS II Schedule Editor.

📖 For more information on setting the time-compare flag, see *Event Entry Fields* on page 3-143 of this chapter.

Utilities for the UDS II—Configuring the Utilities; Merge Configuration, continued

➪ `Merge text breaknotes into schedule? (Y/N):`

> Note: This merge configuration item is available *only* to users of the Datacount DARTS traffic scheduling software.

This option, if set to Y, merges *every* line of the traffic log with the music log. Lines in the traffic log with commercials are merged normally but all other lines are merged as Source 98 text breaknotes. This can lead to a cluttered schedule and is only recommended as a "last-ditch" method of sending notes to the UDS II operator.

➪ `Filespec for spot log:`

Type the drive letter and path where the traffic log to be merged is stored, plus the common portion of the log file names. This allows you to select the actual file name of the log from a pop-up window each time you merge. The drive, path, and partial file name appear in the input window where you enter the name of the log to be merged. If you do *not* know the format for the log file names, type * . * as the file spec followed by ENTER.

> ***Note*:** There is *no* error checking to determine if the drive and path actually exist until you attempt the merge process.

For example, if you are merging CBSI traffic logs from a diskette in the A: diskette drive, type A : \ * . E V T ENTER.

As another example, if you are merging DARTS traffic logs from the TRAFFIC subdirectory on network drive F:, type F : \ T R A F F I C \ * . L O G ENTER.

➪ `Strip Source 0? (Y/N):`

If using Selector, this should be answered with a Y. Answering Yes causes the Merge program to remove all source zero events from the schedule. This feature removes dummy songs and other invalid events from the schedule before you import it into the UDS II. This eliminates many unnecessary errors before they are transferred to UDS II at schedule import time.

Unless directed to do otherwise by On Air Digital Technical Support personnel, set this item to Y ENTER.

Utilities for the UDS II—Configuring the Utilities; Merge Configuration, continued

➪ `Set cart number range from spot log?`

This feature allows you to selectively merge spots only within a certain range of cart numbers in your traffic log with your music schedule. Setting this option to Y will gather spots over a certain range. Setting this option to N will gather all spots.

Some UDS II users keep public service announcements and station promos as a regular part of their traffic schedule to fill in gaps when spot inventory is low. However, heavy spot loads may eliminate the need for these fill events. By keeping promos and PSAs grouped together in a very high (or very low) series of *numeric* cart numbers, it is possible to exclude them from the schedule through this configuration item.

IMPORTANT! All cart numbers containing *letters* will be scheduled, regardless of any range you might set. Only purely numeric cart numbers will be excluded. In addition, all carts scheduled in your breaknotes will be merged into the schedule.

➪ `Include spots beginning with: ____`

If you set the "cart number range" option above to Y, type the zero-padded four-digit cart number with which you wish to begin the search for spots to include in the schedule.

➪ `Ending with: ____`

If you set the "cart number range" option above to Y, type the zero-padded four-digit cart number with which you wish to end the search for spots to include in the schedule.

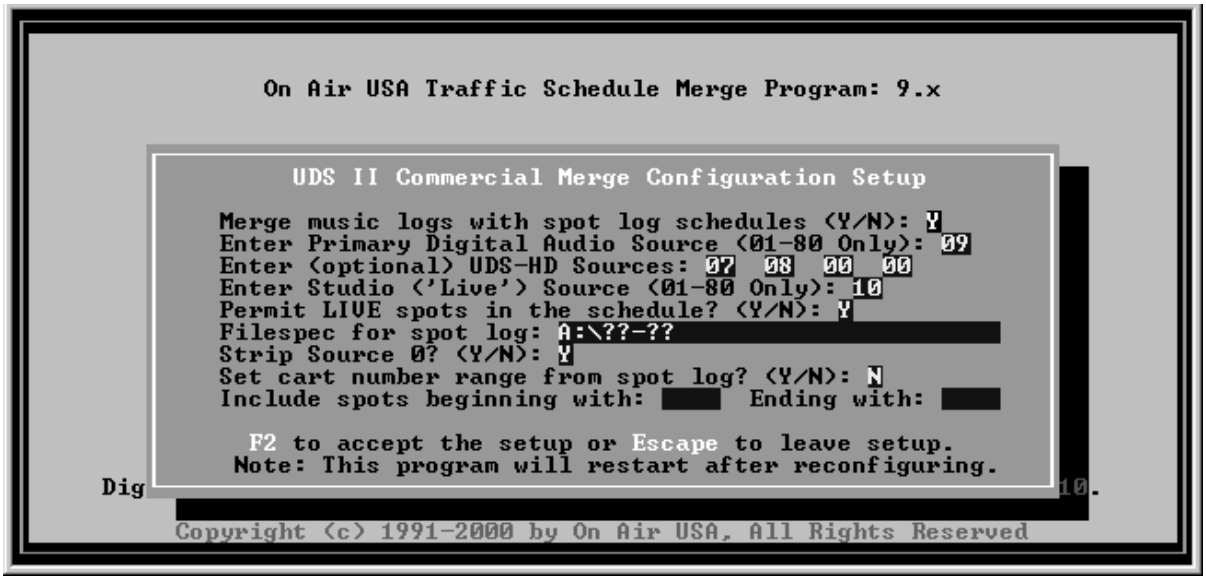

On Air USA Traffic Schedule Merge Program: 9.x
UDS II Commercial Merge Configuration Setup
Merge music logs with spot log schedules (Y/N): Y
Enter Primary Digital Audio Source (01-80 Only): 09
Enter (optional) UDS-HD Sources: 07 08 00 00
Enter Studio ('Live') Source (01-80 Only): 10
Permit LIVE spots in the schedule? (Y/N): Y
Filespec for spot log: A:\??-??
Strip Source 0? (Y/N): Y
Set cart number range from spot log? (Y/N): N
Include spots beginning with: Ending with:
F2 to accept the setup or Escape to leave setup.
Note: This program will restart after reconfiguring.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-8 A Typical UDS II Commercial Merge Configuration Setup

Utilities for the UDS II—Configuring the Utilities; Merge Configuration, continued

Once the configuration is complete, press F2 to save the information to disk.

You will see a confirmation on the screen like the one below:

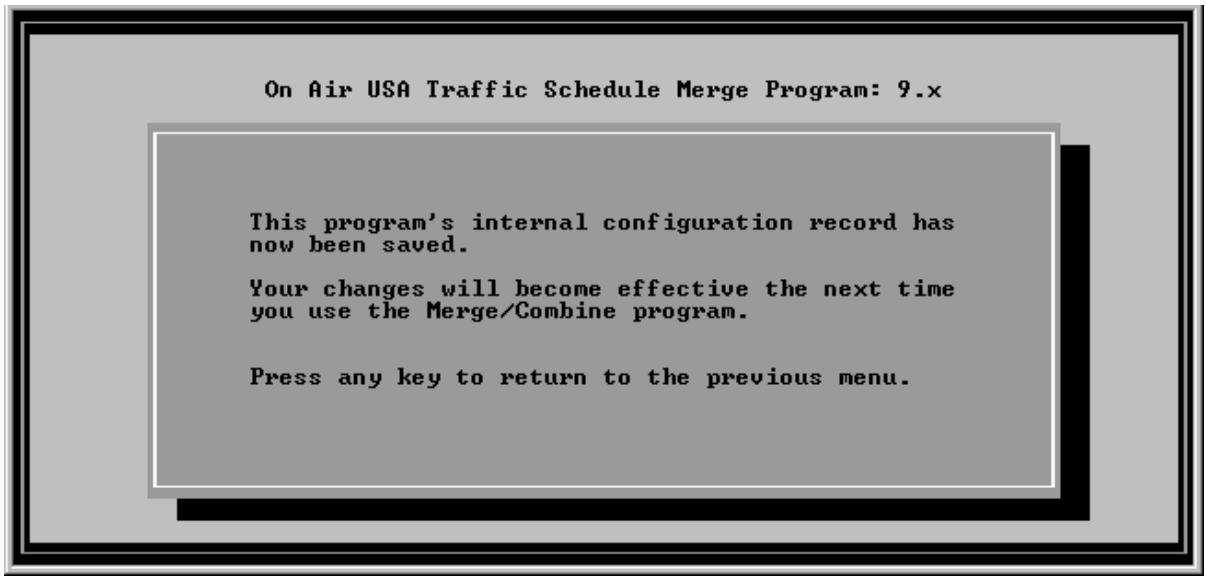

On Air USA Traffic Schedule Merge Program: 9.x
This program's internal configuration record has now been saved.
Your changes will become effective the next time you use the Merge/Combine program.
Press any key to return to the previous menu.

Figure 3-9 Successful Commercial Merge Configuration Setup

Note: After the new configuration is saved, the Merge program must be restarted before the new configuration values will take effect.

Press SPACE to clear the message return to the Utilities for the UDS II main menu.

Utilities for the UDS II, continued

Using the Utilities for the UDS II for the First Time

Before you may proceed with using the Utilities for the UDS II, you must create two very important data files: the *music library* and the *music schedule*. This section will guide you through creating these files from Selector so you may then continue learning more about the UDS II and the Utilities.

Create the UDS II Music Library Database

Before the Utilities for the UDS II can be used to analyze and manipulate schedules produced by Selector, a special music library database file of all the songs that will be scheduled by Selector (known as "SSMUSIC.DB") must be created.

1. From Selector's main menu, press 8 to select `Reports`.

2. Press CTRL END to choose Report 100, the last report on the list.

3. Press F5 and then define the input options to be used for the report.

4. Once the input criteria have been defined, generate the report by pressing F9 for `Print Options` then 2 to select `Send to File`. This step may take a few moments.

5. After the report has been generated, press F9 for `Print Options` then 6 to jump to the `Print File Manager`.

6. From the Print File Manager menu, use the ↑ and ↓ keys to move the highlight bar to most recent version of the `Selector Library to UDS II Library` report file.

   NOTE: This report should be the first file in the list.

7. Press F3, `View a File`, to check the contents of the report you have just created. This report must contain every song you wish to have available for play in the UDS II.

   📖 Read *Print File Manager* in section five of the *Selector Manual* for details on using the file viewer.

   If the report file is correct, press ESC to return to the Print File Manager.

   Otherwise, return to step one and call RCS for help.

8. Press F4, `Copy a File`, so that the file can be given a new name.

9. Type the file name S E L 2 U D S . D A T.

Utilities for the UDS II—Using the Utilities for the First Time; Database, continued

10. Press F2 to begin the copy process.

11. After Selector displays the message `Report Copied`, press ESC four times to exit Selector completely.

12. Start the Utilities for the UDS II.

    - To start the Utilities from a DOS command prompt, type U D S M E N U ENTER .
    - To start the Utilities from Windows 95/98/NT, double click on the UDSMenu shortcut icon.

    NOTE: The Utilities for the UDS II are described in detail beginning on page 3-69.

13. From the Utilities for the UDS II main menu, press S to choose System Maintenance.

14. From the System Maintenance menu, press B to choose Build a UDS II Music Library.

15. The Music Library Conversion screen displays a dialog box asking you to enter the name of the Selector file you have just created. This is the `SEL2UDS.DAT` file so type S E L 2 U D S . D A T then press ENTER or F2 to proceed.

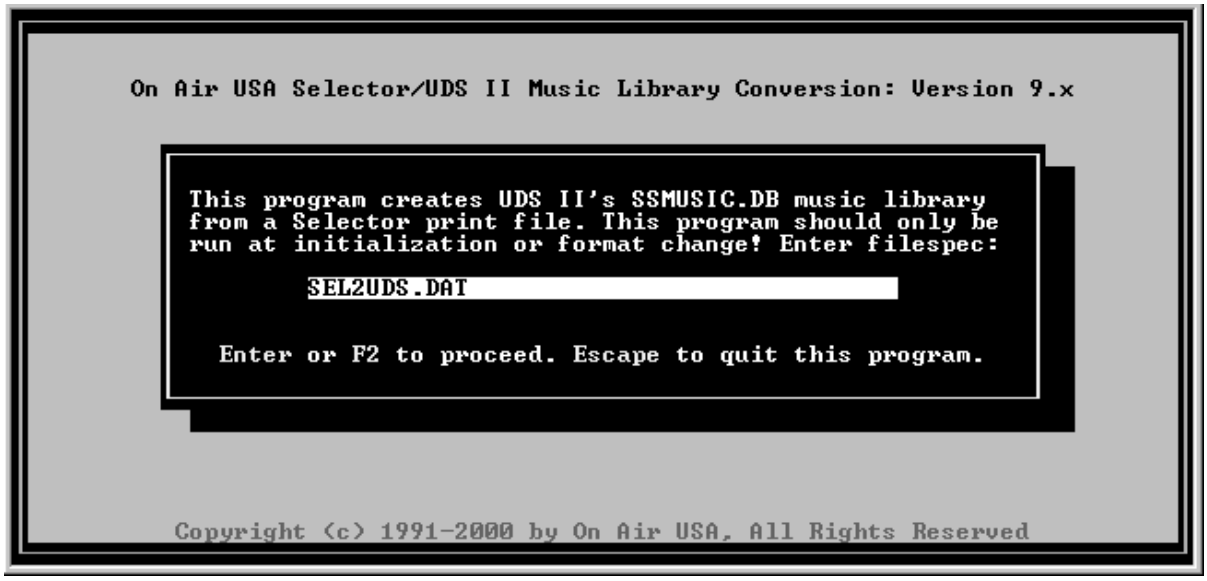

On Air USA Selector/UDS II Music Library Conversion: Version 9.x
This program creates UDS II's SSMUSIC.DB music library from a Selector print file. This program should only be run at initialization or format change! Enter filespec:
SEL2UDS.DAT
Enter or F2 to proceed. Escape to quit this program.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-10 Music Library Conversion Dialog Box

Utilities for the UDS II—Using the Utilities for the First Time; Database, continued

16. The Utilities will count songs as it converts the `SEL2UDS.DAT` file from Selector into the `SSMUSIC.DB` file that will be loaded into the UDS II control computer. When the conversion process is complete, you can view or copy the converted file.

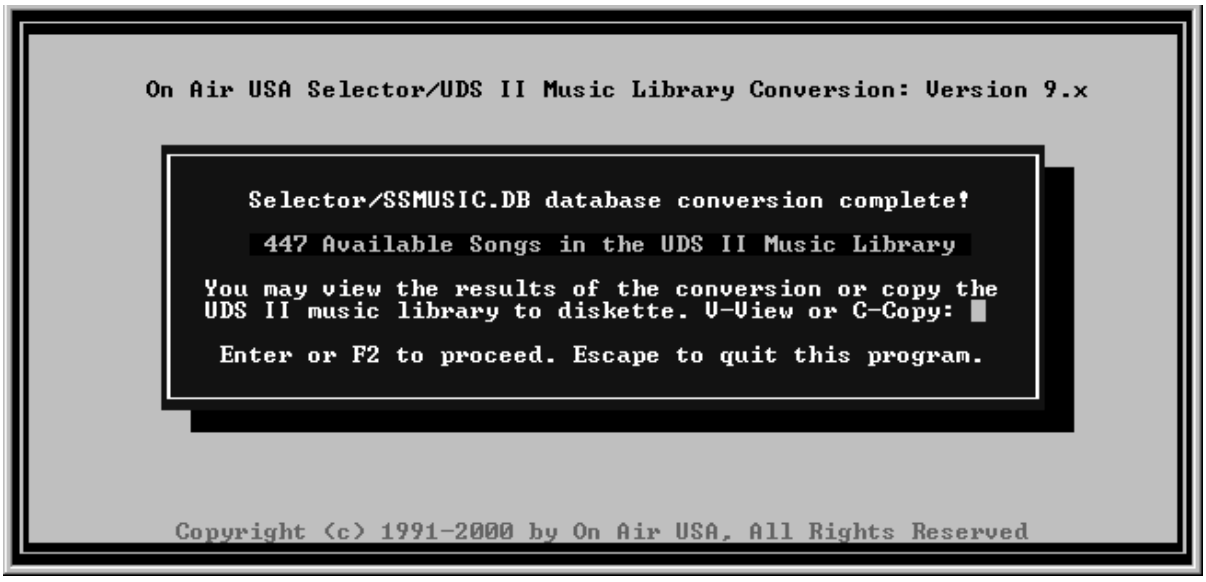

On Air USA Selector/UDS II Music Library Conversion: Version 9.x
Selector/SSMUSIC.DB database conversion complete!
447 Available Songs in the UDS II Music Library
You may view the results of the conversion or copy the UDS II music library to diskette. V-View or C-Copy:
Enter or F2 to proceed. Escape to quit this program.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-11 Music Library Conversion View/Copy Select Screen

17. Visually confirm that your music library was properly converted by pressing V ENTER to View a text copy of the `SSMUSIC.DB` data file.

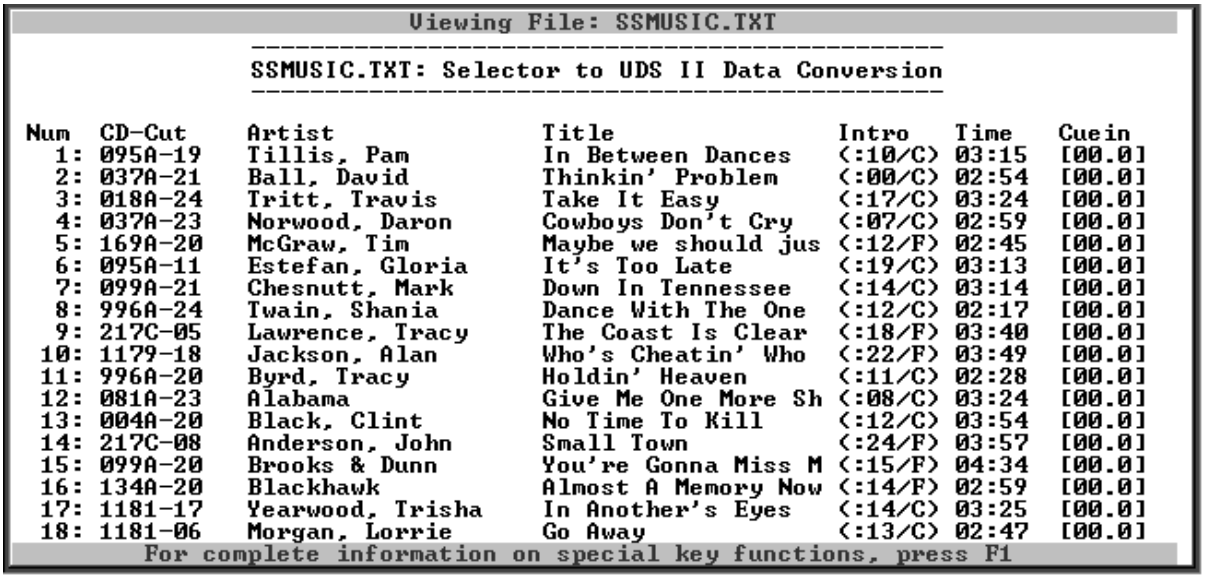

Viewing File: SSMUSIC.TXT
SSMUSIC.TXT: Selector to UDS II Data Conversion
Num CD-Cut Artist Title Intro Time Cuein
1: 095A-19 Tillis, Pam In Between Dances (:10/C) 03:15 [00.0]
2: 037A-21 Ball, David Thinkin' Problem (:00/C) 02:54 [00.0]
3: 018A-24 Tritt, Travis Take It Easy (:17/C) 03:24 [00.0]
4: 037A-23 Norwood, Daron Cowboys Don't Cry (:07/C) 02:59 [00.0]
5: 169A-20 McGraw, Tim Maybe we should jus (:12/F) 02:45 [00.0]
6: 095A-11 Estefan, Gloria It's Too Late (:19/C) 03:13 [00.0]
7: 099A-21 Chesnutt, Mark Down In Tennessee (:14/C) 03:14 [00.0]
8: 996A-24 Twain, Shania Dance With The One (:12/C) 02:17 [00.0]
9: 217C-05 Lawrence, Tracy The Coast Is Clear (:18/F) 03:40 [00.0]
10: 1179-18 Jackson, Alan Who's Cheatin' Who (:22/F) 03:49 [00.0]
11: 996A-20 Byrd, Tracy Holdin' Heaven (:11/C) 02:28 [00.0]
12: 081A-23 Alabama Give Me One More Sh (:08/C) 03:24 [00.0]
13: 004A-20 Black, Clint No Time To Kill (:12/C) 03:54 [00.0]
14: 217C-08 Anderson, John Small Town (:24/F) 03:57 [00.0]
15: 099A-20 Brooks & Dunn You're Gonna Miss M (:15/F) 04:34 [00.0]
16: 134A-20 Blackhawk Almost A Memory Now (:14/F) 02:59 [00.0]
17: 1181-17 Yearwood, Trisha In Another's Eyes (:14/C) 03:25 [00.0]
18: 1181-06 Morgan, Lorrie Go Away (:13/C) 02:47 [00.0]
For complete information on special key functions, press F1

Figure 3-12 Sample View of a Converted Music Library

Utilities for the UDS II—Using the Utilities for the First Time; Database, continued

18. Press ESC to return to the View/Copy select screen when you are satisfied that the conversion was a success.

19. From the View/Copy select screen, press C ENTER to begin the database copying process.

20. Select the drive to which you wish to copy the database file.

    ➪ To copy the file to a diskette, type A ENTER or B ENTER, depending on whether the diskette is in the A: or B: diskette drive, respectively. This is the preferred method as the UPDATE program on the UDS II computer requires that the new database file be stored on a diskette.

    IMPORTANT: If transferring the database file by diskette you must ensure that this diskette can be used by both the Selector and the UDS II computers. Most UDS II computers use 3.5" 1.44Mb diskettes.

    ➪ To copy the file to a network drive, type the drive letter you have set up for the UDS II computer on your local area network and press ENTER. The Utilities display a dialog box asking you to specify the destination path of the file. Copy the file directly into the UDS II directory by typing U D S 2 ENTER.

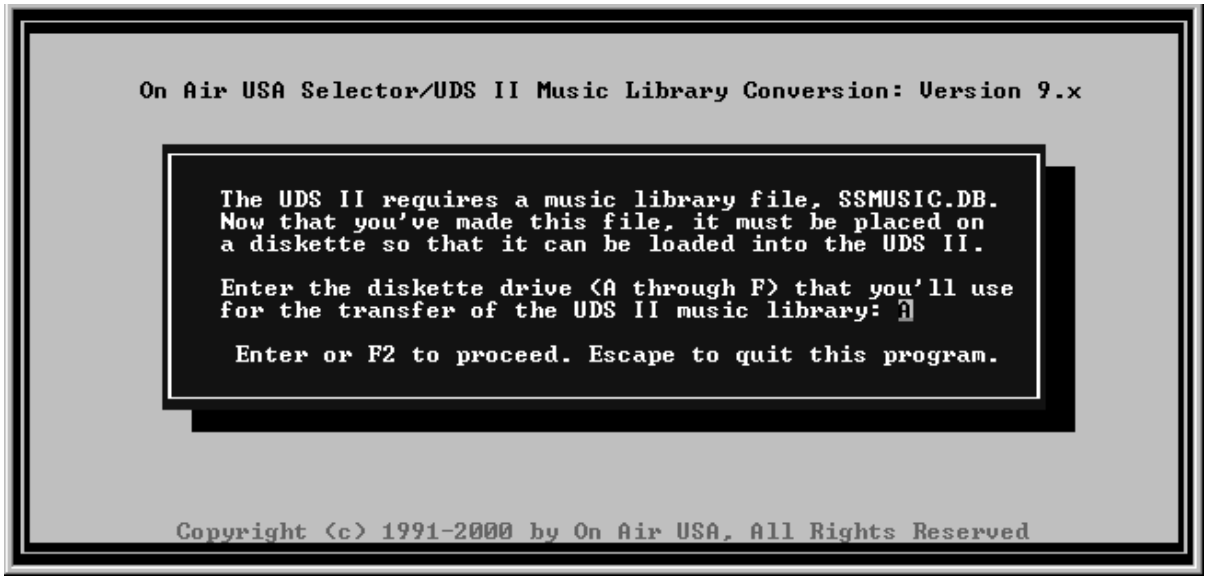

On Air USA Selector/UDS II Music Library Conversion: Version 9.x
The UDS II requires a music library file, SSMUSIC.DB.
Now that you've made this file, it must be placed on
a diskette so that it can be loaded into the UDS II.
Enter the diskette drive (A through F) that you'll use
for the transfer of the UDS II music library:
Enter or F2 to proceed. Escape to quit this program.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-13 Music Library Conversion Drive Selection Screen

The Utilities for the UDS II will work for a moment while compressing the database into a self-extracting executable file called `SSMUSIC.EXE` then copying that file to the destination you specified.

Utilities for the UDS II—Using the Utilities for the First Time; Database, continued

21. When the `SSMUSIC.EXE` file has been successfully copied, press SPACE to continue.

22. Press ESC twice to return to the Utilities main menu.

If you copied the new music database to diskette, put this diskette in a safe place. You will have to install the music library on the UDS II computer before you may operate the UDS II for the first time. Before doing that procedure, however, please continue to the next step and generate a music schedule. The music schedule must *also* be prepared before you may operate the UDS II for the first time.

📖 For information on installing the `SSMUSIC.DB` music library file into your UDS II, see *Installing the UDS II Music Library* in Chapter Four.

Utilities for the UDS II—Using the Utilities for the First Time, continued

Create the UDS II Music Schedule

Generating the daily playlist for the Ultimate Digital Studio II is a straightforward process with the Selector/Utilities for the UDS II combination. Selector creates the instructions that the UDS II will follow (both for music and non-music elements) via the LOG2ASC interface utility.

1. Create and edit a single-day music schedule using the `Schedulers` option from Selector's main menu.

2. From the Selector main menu, press 7 to select `Print the Log`.

3. Enter the range of dates and times to be printed.

   NOTE: Selector will save each day in the date range to its own file. In no case should this range be greater than seven days. Date ranges greater than seven days will result in schedules for the earliest of those dates being overwritten by schedules for later dates.

4. Use the ↑ and ↓ keys to move the highlight bar to the field showing the log format in use. The default setting is `Log Format Assignment Grid`.

5. Change this setting to `Log Format 8` by pressing the SPACE key until that name appears in the window.

   NOTE: If you changed the name of Log Format 8 during the log format setup, that is the name to look for during this step.

6. Press F9 for the `Print Options` menu and press 2 to choose `Send to File`.

7. Selector will display the message `Finished Generating the Report, Sent to Print File Manager` near the top of the screen when the file has been sent.

   NOTE: Thanks to the Automation Output File name you set up as part of the Log Format, Selector automatically names music schedules to reflect the corresponding day of the week. For example, printing a Selector log for Monday creates a file named MONDAY_ _**.**DSS.

8. Press ESC four times to exit Selector.

9. Start the Utilities for the UDS II:

   - To start the Utilities from a DOS command prompt, type U D S M E N U ENTER .
   - To start the Utilities from Windows 95/98/NT, double click on the UDSMenu shortcut icon.

Utilities for the UDS II—Using the Utilities for the First Time; Schedule, continued

10. From the Utilities main menu, press G to select `Generate a UDS II Music Schedule`.

11. Type the day of the week for the music log you just printed from Selector or press F3 to pick from a list of available music log files .

On Air USA UDS II/Selector Playlist Generator: Version 9.x
This program creates a PLAYLIST.SS music schedule file for the Ultimate Digital Studio II from your Selector file. Enter the day of the week or press F3 to pick:
Enter or F2 to proceed. Escape to
FRIDAY 25 May 00 11:12
THURSDAY 24 May 00 13:59
WEDNESDAY 23 May 00 09:45
TUESDAY 22 May 00 13:58
SUNDAY 19 May 00 15:01
MONDAY 19 May 00 13:58
SATURDAY 19 May 00 13:41

Figure 3-14 Playlist Generator Screen with F3 Pick List

If using the F3 pick list, the most recent schedule will be at the top of the list. If this is not the schedule you wish to use to generate the UDS II playlist, use the ↓ key to highlight the correct day's schedule. When the correct schedule is highlighted, press ENTER to select the schedule and continue the generation process.

12. Once the day of the week has been entered or selected, press F2 to generate a schedule.

13. After the `Success!` Message appears on your screen, press SPACE to return to the Utilities main menu.

    If you receive an error message while generating a schedule, go back to Selector and make sure than all of the songs meet the criteria for a valid song as described earlier in this chapter. Fix any problems in the Selector music library and begin this section again from step 2.

You are now ready to learn about the Utilities for the UDS II and how to use them every day.

Utilities for the UDS II, continued

Using the Utilities for the UDS II Every Day—A Quick Tour

Now that you have configured the Utilities for the UDS II and used them to generate your first music library and music schedule files, you're ready to learn more about these powerful tools. The Utilities control all of the interaction between your music and traffic scheduling software programs and the UDS II. Each day, after you create your music schedule and your traffic schedule, you will use the Utilities for the UDS II to check, view, merge, edit, and transfer your complete UDS II daily schedule. Before you learn more about the Utilities for the UDS II in depth, study the next few pages for a quick "tour" of the software.

Begin the tour by exiting Selector and starting the Utilities for the UDS II

- To start the Utilities from a DOS command prompt, type U D S M E N U ENTER .
- To start the Utilities from Windows 95/98/NT, double click on the UDSMenu shortcut icon.

The main menu, as shown below, will be displayed.

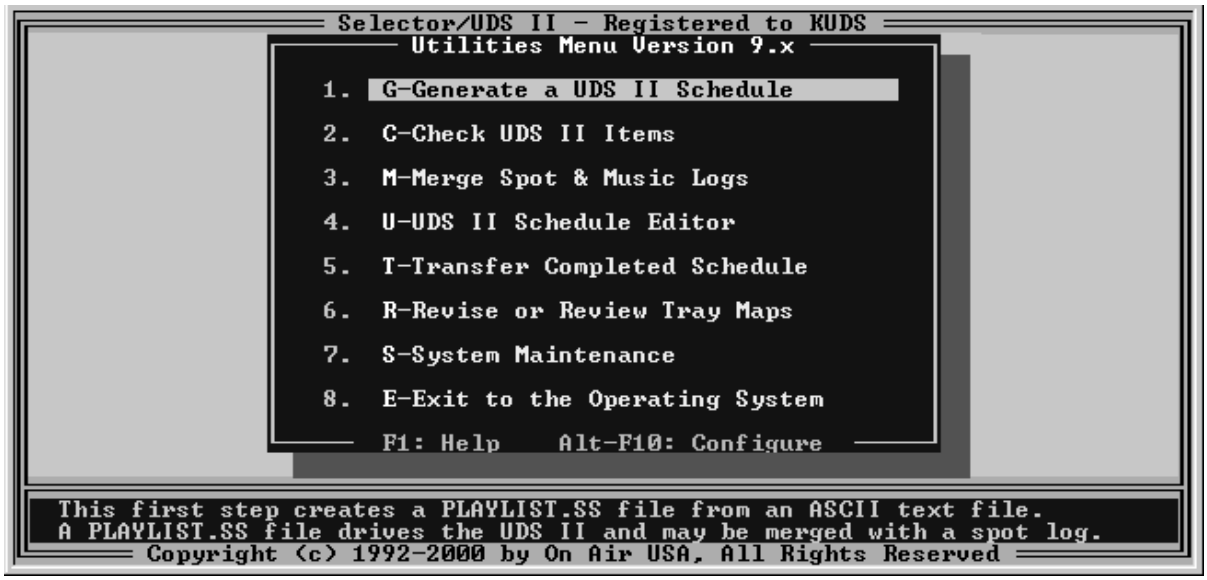

Selector/UDS II - Registered to KUDS
Utilities Menu Version 9.x
1. G-Generate a UDS II Schedule
2. C-Check UDS II Items
3. M-Merge Spot & Music Logs
4. U-UDS II Schedule Editor
5. T-Transfer Completed Schedule
6. R-Revise or Review Tray Maps
7. S-System Maintenance
8. E-Exit to the Operating System
F1: Help Alt-F10: Configure
This first step creates a PLAYLIST.SS file from an ASCII text file.
A PLAYLIST.SS file drives the UDS II and may be merged with a spot log.
Copyright (c) 1992-2000 by On Air USA, All Rights Reserved

Figure 3-15 Utilities for the UDS II Main Menu

To give you a passing familiarity with the full capabilities of the Utilities for the UDS II, this quick tour will take you through each section of the Utilities in turn. Begin with the feature you've just used to convert your Selector schedule—press G to select `Generate a UDS II Schedule`.

Utilities for the UDS II—Using the Utilities Every Day; A Quick Tour, continued

Generate a UDS II Schedule

This feature, as demonstrated only a few pages ago, generates a UDS II-compatible music schedule from your converted Selector schedule. This is the first step you must take each day after scheduling and converting in Selector.

While it is possible to manually enter the file names in this dialog box, we recommend using the F3 pick list instead. The pick list makes it easy to select the correct schedule and reduces the chance of error. The F3 pick list keeps the most recent schedule at the top of the list, shows the day of the week for each schedule. This prevents you from trying to generate a UDS II-compatible music schedule from a Selector schedule that has not yet been printed.

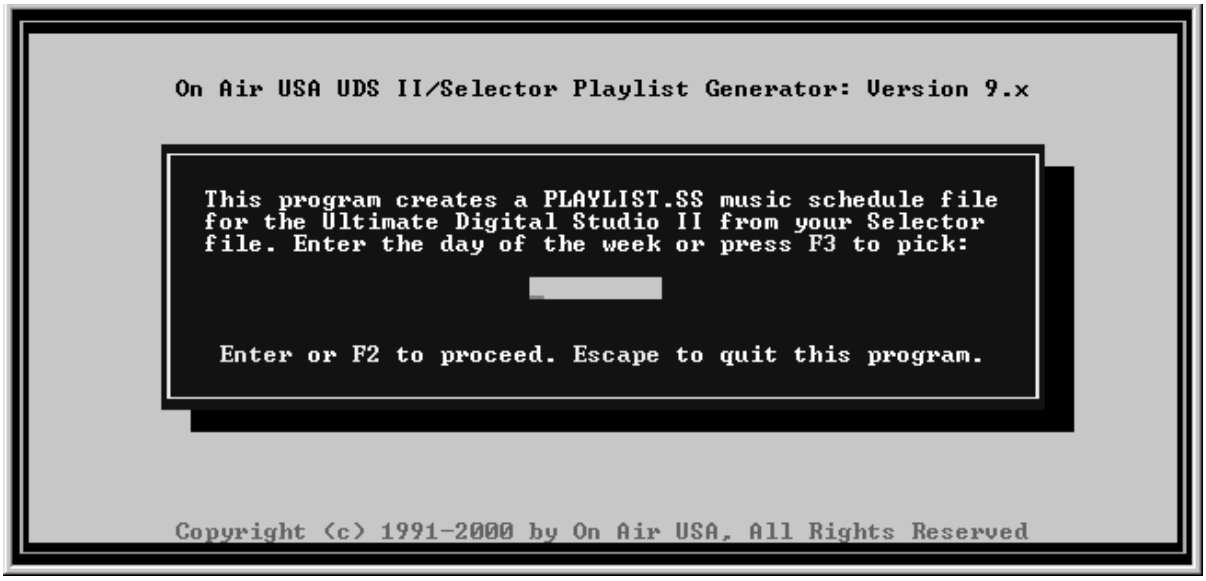

On Air USA UDS II/Selector Playlist Generator: Version 9.x
This program creates a PLAYLIST.SS music schedule file for the Ultimate Digital Studio II from your Selector file. Enter the day of the week or press F3 to pick:
Enter or F2 to proceed. Escape to quit this program.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-16 Playlist Generator Screen

Press ESC to return to the Utilities for the UDS II main menu.

📖 For detailed information on using this feature, see *Generate a UDS II Schedule* beginning on page 3-103 of this chapter.

Utilities for the UDS II—Using the Utilities Every Day; A Quick Tour, continued

Check UDS II Items

Once a UDS II-compatible music schedule has been generated, you should use the Check UDS II Items suite of analysis tools before merging this music schedule with the traffic log. Examine the Check UDS II Items menu by pressing C from the main menu of the Utilities.

Each day after generating, press V from the Check UDS II Items' menu to view the UDS II schedule. This lets you check the schedule for errors, read the schedule for content, and ensure that spot catchers, jingles, and other break notes are properly placed in the schedule. Return to this feature *after* you merge the music and traffic logs to see if any errors were introduced and to make sure that all of the spots from the traffic log were properly caught.

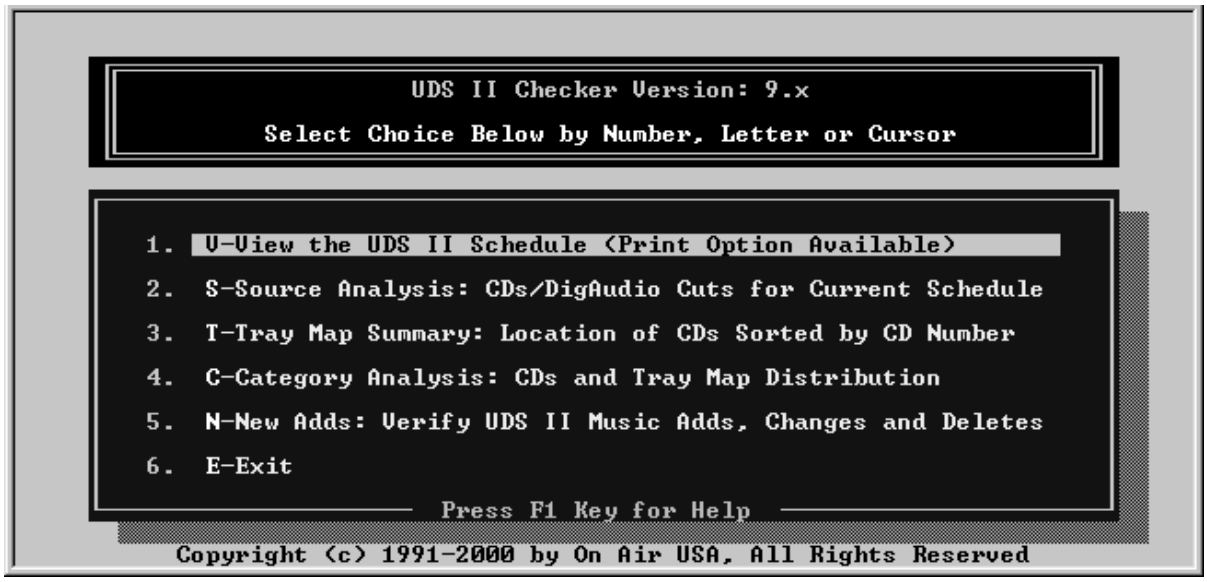

UDS II Checker Version: 9.x
Select Choice Below by Number, Letter or Cursor
1. V-View the UDS II Schedule (Print Option Available)
2. S-Source Analysis: CDs/DigAudio Cuts for Current Schedule
3. T-Tray Map Summary: Location of CDs Sorted by CD Number
4. C-Category Analysis: CDs and Tray Map Distribution
5. N-New Adds: Verify UDS II Music Adds, Changes and Deletes
6. E-Exit
Press F1 Key for Help
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-17 Check UDS II Items Menu

Whenever you use Selector reports to add songs to, delete songs from, or alter song information for current songs in the UDS II music library, use the New Adds tool to verify that all the revisions you intended to make to the database were properly noted by the system.

Less frequently used, but no less useful, tools include Source Analysis to monitor which CDs and digital audio events are being scheduled, Tray Map Summary to locate a specific CD in the array of CD changers, and Category Analysis to check for proper distribution of your CD music library across the CD changers.

Press ESC to return to the Utilities for the UDS II main menu.

📖 For detailed information on using this feature, see *Check UDS II Items* beginning on page 3-106 of this chapter.

Utilities for the UDS II—Using the Utilities Every Day; A Quick Tour, continued

Merge

Now that the UDS II-compatible music schedule has been generated and checked for errors, you must use the Merge Spot and Music Logs function to combine this file with your traffic schedule to create the complete UDS II playlist. Examine the Merge screen by pressing M from the main menu of the Utilities.

As with the Generate function, it's possible to manually enter the file names in this dialog box. Again, we recommend using the F3 pick list instead. The pick list simplifies schedule selection and reduces the chance of error. The F3 pick list keeps the most recent schedule at the top of the list, shows the day of the week for each schedule, and prevents you from trying to merge with a traffic schedule that does not exist.

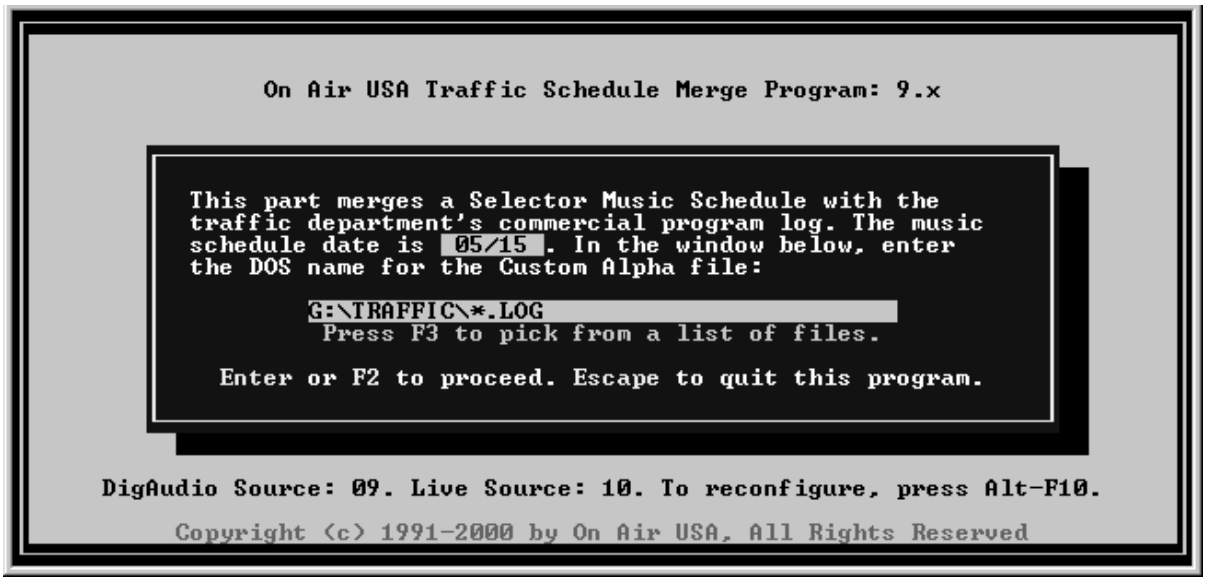

On Air USA Traffic Schedule Merge Program: 9.x
This part merges a Selector Music Schedule with the traffic department's commercial program log. The music schedule date is 05/15 . In the window below, enter the DOS name for the Custom Alpha file:
G:\TRAFFIC*.LOG
Press F3 to pick from a list of files.
Enter or F2 to proceed. Escape to quit this program.
DigAudio Source: 09. Live Source: 10. To reconfigure, press Alt-F10.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-18 Merge Spot and Music Screen

After completing the Merge process, go back to Check UDS II Items to ensure that errors have not been introduced into the schedule and that all of the spots were properly caught by the spot catcher break notes.

Press ESC to return to the Utilities for the UDS II main menu.

📖 For detailed information on using this feature, see *Merge Spot & Music Logs* beginning on page 3-132 of this chapter.

Utilities for the UDS II—Using the Utilities Every Day; A Quick Tour, continued

Edit

Once you have checked the merged UDS II schedule you can use the UDS II Schedule Editor to fix any errors or otherwise modify the merged schedule before sending this schedule to the UDS II. Examine the UDS II Schedule Editor by pressing U from the Utilities for the UDS II main menu. When the program finishes counting the events in the schedule, press SPACE to enter the UDS II Schedule Editor window.

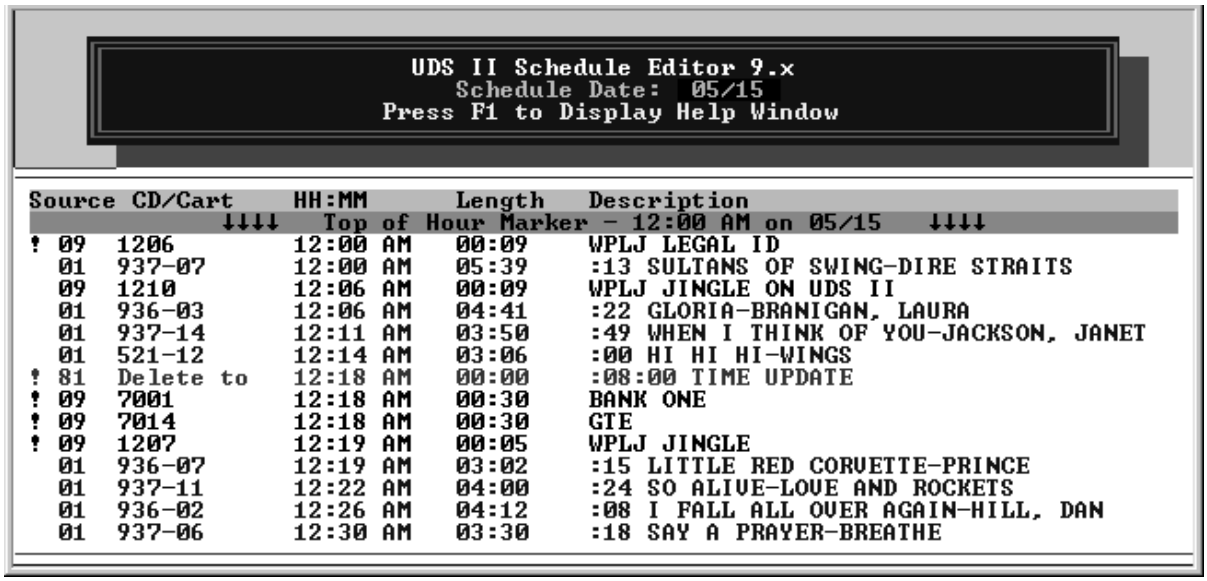

UDS II Schedule Editor 9.x
Schedule Date: 05/15
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
↓↓↓↓ Top of Hour Marker - 12:00 AM on 05/15 ↓↓↓↓
! 09 1206 12:00 AM 00:09 WPLJ LEGAL ID
01 937-07 12:00 AM 05:39 :13 SULTANS OF SWING-DIRE STRAITS
09 1210 12:06 AM 00:09 WPLJ JINGLE ON UDS II
01 936-03 12:06 AM 04:41 :22 GLORIA-BRANIGAN, LAURA
01 937-14 12:11 AM 03:50 :49 WHEN I THINK OF YOU-JACKSON, JANET
01 521-12 12:14 AM 03:06 :00 HI HI HI-WINGS
! 81 Delete to 12:18 AM 00:00 :08:00 TIME UPDATE
! 09 7001 12:18 AM 00:30 BANK ONE
! 09 7014 12:18 AM 00:30 GTE
! 09 1207 12:19 AM 00:05 WPLJ JINGLE
01 936-07 12:19 AM 03:02 :15 LITTLE RED CORVETTE-PRINCE
01 937-11 12:22 AM 04:00 :24 SO ALIVE-LOVE AND ROCKETS
01 936-02 12:26 AM 04:12 :08 I FALL ALL OVER AGAIN-HILL, DAN
01 937-06 12:30 AM 03:30 :18 SAY A PRAYER-BREATHE

Figure 3-19 UDS II Schedule Editor Window

Use the ↑ and ↓ arrows to move the highlight up and down the merged schedule. The UDS II Schedule Editor can change, copy, swap, delete, insert, update, and move each event in this schedule. You can get an overview of the features by pressing F1 for a list of Editor commands.

Press ESC to return to the Utilities for the UDS II main menu.

📖 For detailed information on using this feature, see *UDS II Schedule Editor* beginning on page 3-138 of this chapter.

Utilities for the UDS II—Using the Utilities Every Day; A Quick Tour, continued

Transfer

Now that you have generated, checked, merged, checked, edited, and checked the UDS II schedule, you are ready to send it to the UDS II for play on the air. This program also sends the current tray maps and a report of any music library changes to the UDS II. Examine the Transfer Completed Schedule program by pressing T from the Utilities for the UDS II main menu.

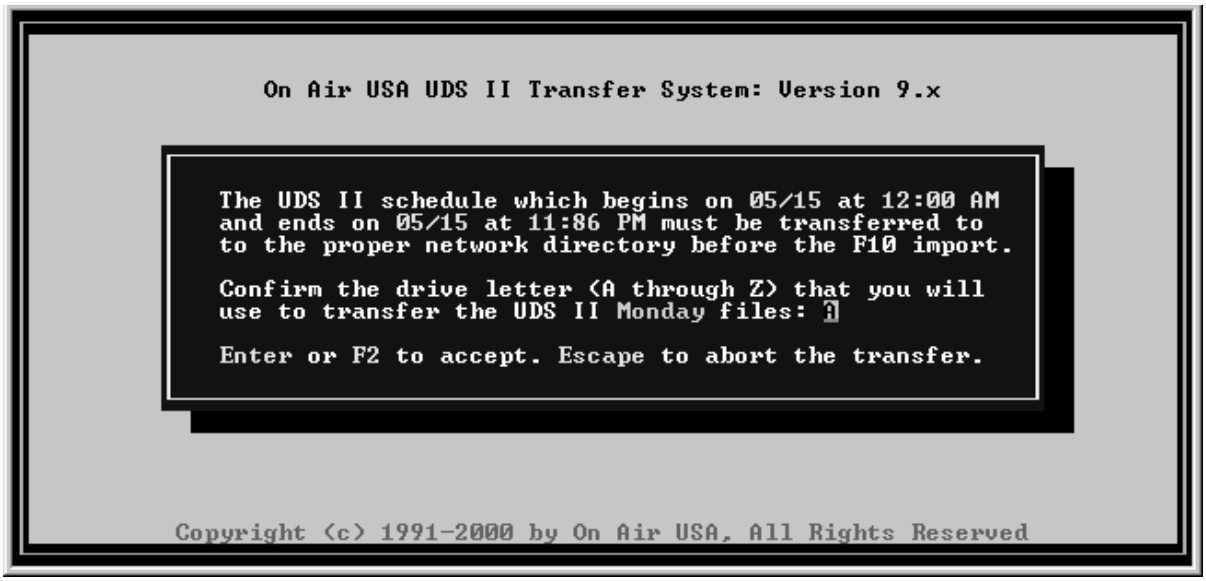

On Air USA UDS II Transfer System: Version 9.x
The UDS II schedule which begins on 05/15 at 12:00 AM
and ends on 05/15 at 11:86 PM must be transferred to
to the proper network directory before the F10 import.
Confirm the drive letter (A through Z) that you will
use to transfer the UDS II Monday files:
Enter or F2 to accept. Escape to abort the transfer.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-20 Transfer Completed Schedule Screen

If you are transferring schedules using a diskette, place a diskette into the diskette drive. Enter the drive letter of the diskette drive (usually A or B) then press ENTER to complete the transfer process.

If you are transferring schedules using a local area network, make sure that both the Selector computer and the UDS II control computer are properly logged in. Enter the network drive letter you have designated for UDS II schedule files then press ENTER. Type the exact file path on the network drive then press ENTER to complete the transfer process.

Press ESC to return to the Utilities for the UDS II main menu.

📖 For detailed information on using this feature, see *Transfer Completed Schedule* beginning on page 3-178 of this chapter.

Utilities for the UDS II—Using the Utilities Every Day; A Quick Tour, continued

Tray Maps

If you are using CD changers with UDS II, you must inform the UDS II of the location of each compact disc in the system. This is accomplished with the Revise or Review Tray Maps function of the Utilities for the UDS II. Examine this feature by pressing R from the main menu of the Utilities.

On Air USA UDS II Tray Map System: Version 9.x
This program maintains your tray map files which tell
UDS II where it can find all of the CDs in your system.
Enter the CD Player Source number in the field below:
Enter or F2 to proceed. Escape to quit this program.
Press F5 to print a Tray Map Summary.
Press Alt-F10 to Configure Tray Maps

Figure 3-21 Revise or Review Tray Maps Screen

Enter the source number of the CD changer you wish to view or change then press ENTER. The screen will show a list of each CD ID in slot order for this machine. Use the ↑ and ↓ arrow keys to move the highlight up and down the tray map. If you have made any changes to the tray map, press F2 to save them before leaving this screen.

Press ESC to return to the Utilities for the UDS II main menu.

📖 For detailed information on using this feature, see *Revise or Review Tray Maps* beginning on page 3-185 of this chapter.

Utilities for the UDS II—Using the Utilities Every Day; A Quick Tour, continued

System Maintenance

Admittedly, you will not be using all of the System Maintenance menu every day but no tour would be complete without a quick look at these critical tools. By now you have already used the License and Registration feature to complete the installation of these Utilities on your Selector computer and the Build a UDS II Music Library feature to create the SSMUSIC.EXE file. These are features you should have to use only on rare occasion. However, the other features may be used more frequently. Examine the System Maintenance menu by pressing S from the main menu of the Utilities.

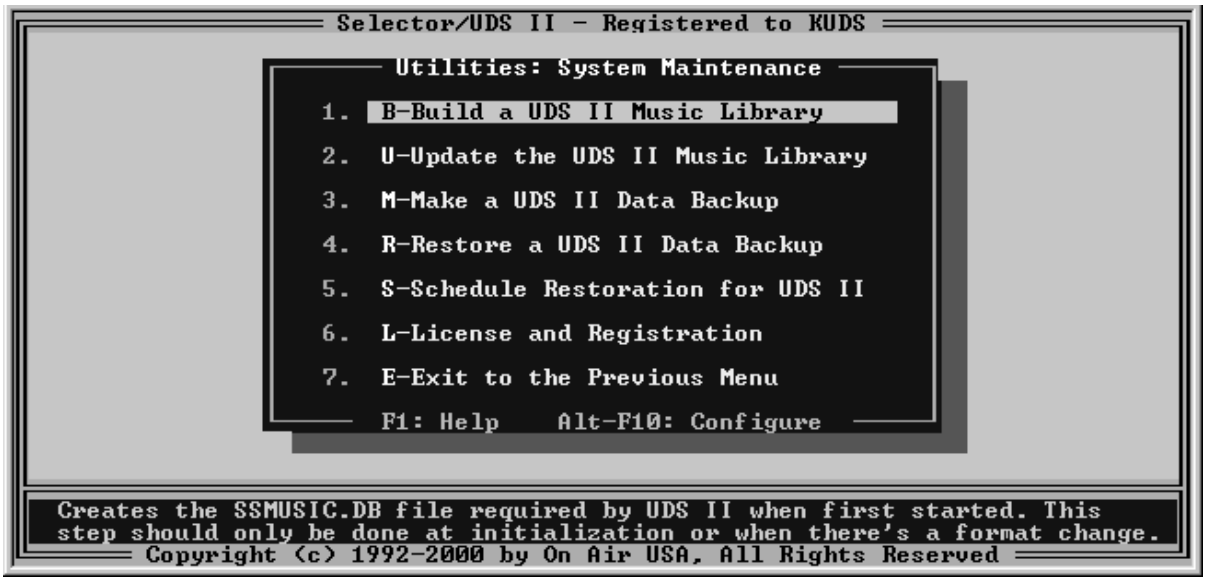

Selector/UDS II - Registered to KUDS
Utilities: System Maintenance
1. B-Build a UDS II Music Library
2. U-Update the UDS II Music Library
3. M-Make a UDS II Data Backup
4. R-Restore a UDS II Data Backup
5. S-Schedule Restoration for UDS II
6. L-License and Registration
7. E-Exit to the Previous Menu
F1: Help Alt-F10: Configure
Creates the SSMUSIC.DB file required by UDS II when first started. This step should only be done at initialization or when there's a format change.
Copyright (c) 1992-2000 by On Air USA, All Rights Reserved

Figure 3-22 System Maintenance Menu

Use the Make a UDS II Data Backup feature to preserve the tray maps, file paths, and system configuration for the Utilities for the UDS II to a diskette for safekeeping. We hope you will never have to use the Restore a UDS II Data Backup feature but updating the backup diskette at least weekly will speed recovery in the event of a scheduling computer crash or data loss.

Schedule Restoration similarly lets you recover lost data—this time in the form of merged schedules from the past 7 days. The Update the UDS II Music Library feature lets you enter changes for the database that will take when the current schedule is transferred and loaded.

📖 For detailed information on using these feature, see *System Maintenance Menu* beginning on page 3-195 of this chapter.

This concludes your quick tour of the Utilities for the UDS II. Detailed instructions for using each feature of the Utilities for the UDS II begin on the next page. Press ESC to return to the Utilities for the UDS II main menu.

Utilities for the UDS II, continued

The Utilities for the UDS II—In-Depth

Now that you have familiarized yourself with the general outline of the capabilities of the Utilities for UDS II, it is important that you understand each of these features in depth. Each feature of the Utilities for the UDS II is discussed and demonstrated in the order they appear on the main menu of the Utilities. This in-depth discussion begins on page 3-103

The Utilities for the UDS II are accessed from within the Selector music scheduling software. To start using the Utilities, follow the steps outlined below.

1. If you are not already running Selector, type M U S I C ENTER to start the Selector program.

2. From the Selector main menu, press R to select `Exit to the Disk Operating System`.

3. Press U to select `UDSMenu` and access the main menu for the Utilities for UDS II.

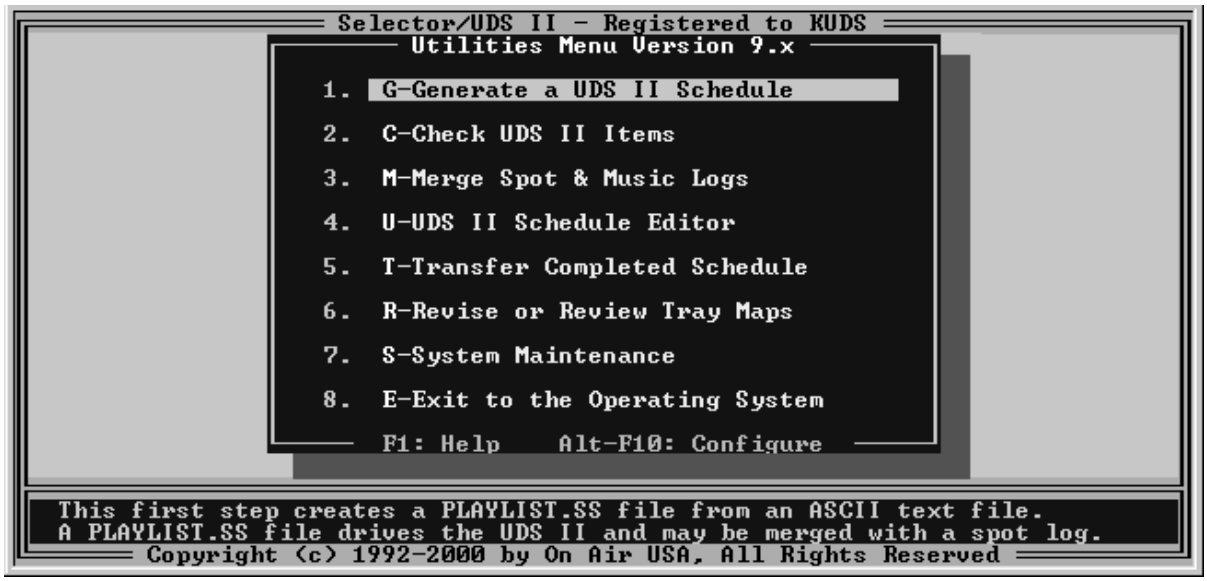

Selector/UDS II - Registered to KUDS
Utilities Menu Version 9.x
1. G-Generate a UDS II Schedule
2. C-Check UDS II Items
3. M-Merge Spot & Music Logs
4. U-UDS II Schedule Editor
5. T-Transfer Completed Schedule
6. R-Revise or Review Tray Maps
7. S-System Maintenance
8. E-Exit to the Operating System
F1: Help Alt-F10: Configure
This first step creates a PLAYLIST.SS file from an ASCII text file.
A PLAYLIST.SS file drives the UDS II and may be merged with a spot log.
Copyright (c) 1992-2000 by On Air USA, All Rights Reserved

Figure 3-23 The Utilities for the UDS II Main Menu

Utilities for the UDS II—In Depth, continued

Utilities for the UDS II Main Menu

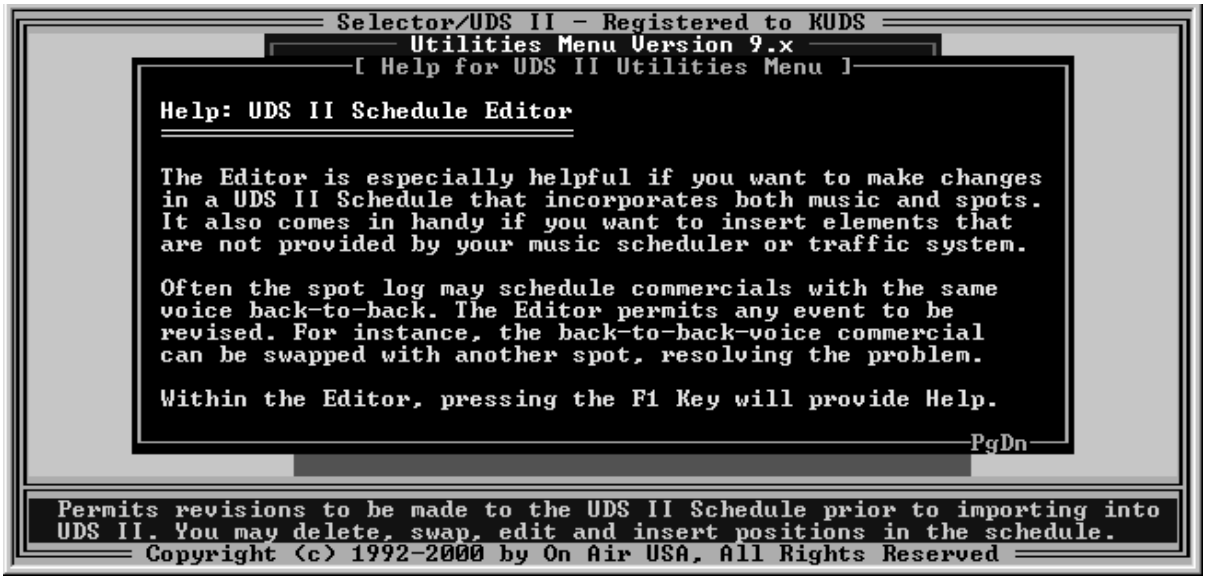
➪ Selecting Menu Items

There are several ways to select the menu items from the main menu. Throughout these instructions, you have been using the first letter of each menu item to select that feature. On the following pages each item is shown with the "hot key" letter that can be used to access the item.

The menu items are also numbered and pressing the number to the far left of a menu item will select that feature. You may also use the ↑ and ↓ arrow keys to highlight each item then press ENTER to continue. This method has a side-benefit related to online help, as described below.

➪ Getting Help

The Utilities menu features a dual Help system. Selecting an option by moving the highlight bar with the ↑ and ↓ arrow keys displays two-lines of corresponding "Quick-Help" near the bottom of the menu screen. In addition, detailed context-sensitive Help is available at any time by pressing the F1 key. For example, pressing F1 from the main menu with the fourth item `4. U-UDS II Schedule Editor` highlighted pops up the following Help window:


Selector/UDS II - Registered to KUDS
Utilities Menu Version 9.x
[Help for UDS II Utilities Menu]
Help: UDS II Schedule Editor
The Editor is especially helpful if you want to make changes in a UDS II Schedule that incorporates both music and spots. It also comes in handy if you want to insert elements that are not provided by your music scheduler or traffic system.
Often the spot log may schedule commercials with the same voice back-to-back. The Editor permits any event to be revised. For instance, the back-to-back-voice commercial can be swapped with another spot, resolving the problem.
Within the Editor, pressing the F1 Key will provide Help.
PgDn
Permits revisions to be made to the UDS II Schedule prior to importing into UDS II. You may delete, swap, edit and insert positions in the schedule.
Copyright (c) 1992-2000 by On Air USA, All Rights Reserved

Some of the online context-sensitive Help entries are so detailed that they require more than one screen for display. Use the PG UP and PG DN keys as indicated in the lower right corner of the screen to page through all of the available Help. Press ESC to exit Help.

Utilities for the UDS II, continued

Utilities for the UDS II Menu Selections

G Generate a UDS II Schedule

Generate creates a UDS II-compatible schedule from the converted Selector music schedule. Details begin on page 3-104.

C Check UDS II Items

Check allows you to examine a schedule for errors, look at CD player and music category efficiency, and view recent changes to the UDS II music library. Details begin on page 3-106.

M Merge Spot & Music Logs

Merge permits you to merge your music and traffic logs into one schedule. Details begin on page 3-132.

U UDS II Schedule Editor

Edit lets you make changes, deletions, or additions to schedules before transfer to the UDS II. Details begin on page 3-138.

T Transfer Completed Schedule

Transfer sends the schedule to the UDS II. Details begin on page 3-178.

R Revise or Review Tray Maps

Access to a map of all CDs in the UDS II. Details begin on page 3-185.

S System Maintenance

System allows you to create new UDS II music libraries and save UDS II-specific information against data loss. Details begin on page 3-195.

B Back to the Selector Menu

Closes the Utilities for the UDS II and returns you to the Selector main menu.

Utilities for the UDS II, continued

G Generate a UDS II Schedule

Generating the daily playlist for the Ultimate Digital Studio II is a straightforward process with the Selector/Utilities for the UDS II combination. After creating and printing a music log to disk in Selector, use the Generate a UDS II Schedule feature to create a music schedule that can be checked, merged, manipulated, and transferred to the UDS II. This schedule contains the event-by-event instructions telling UDS II what to play and when to play it.

1. Create and edit a single-day music schedule using the `Schedulers` option from Selector's main menu.

2. From the Selector main menu, press 7 to select `Print the Log`.

3. Enter the range of dates and times to be printed.

   NOTE: Selector will save each day in the date range to its own file. In no case should this range be greater than seven days. Date ranges greater than seven days will result in schedules for the earliest of those dates being overwritten by schedules for later dates.

4. Use the ↑ and ↓ keys to move the highlight bar to the field showing the log format in use. The default setting is `Log Format Assignment Grid`.

5. Change this setting to `Log Format 8` by pressing the SPACE key until that name appears in the window.

   NOTE: If you changed the name of Log Format 8 during the log format setup, that is the name to look for during this step.

6. Press F9 for the `Print Options` menu and press 2 to choose `Send to File`.

7. Selector will display the message `Finished Generating the Report, Sent to Print File Manager` near the top of the screen when the file has been sent.

   NOTE: Thanks to the Automation Output File name you set up as part of the Log Format, Selector automatically names music schedules to reflect the corresponding day of the week. For example, printing a Selector log for Monday creates a file named MONDAY_ _**.**DSS.

8. Press ESC four times to exit Selector.

Utilities for the UDS II—Generate a UDS II Schedule, continued

9. Start the Utilities for the UDS II:

10. From the Utilities main menu, press G to select `Generate a UDS II Music Schedule`.

11. Type the day of the week for the music log you just printed from Selector or press F3 to pick from a list of available music log files .

On Air USA UDS II/Selector Playlist Generator: Version 9.x
This program creates a PLAYLIST.SS music schedule file for the Ultimate Digital Studio II from your Selector file. Enter the day of the week or press F3 to pick:
Enter or F2 to proceed. Escape to
FRIDAY 25 May 00 11:12
THURSDAY 24 May 00 13:59
WEDNESDAY 23 May 00 09:45
TUESDAY 22 May 00 13:58
SUNDAY 19 May 00 15:01
MONDAY 19 May 00 13:58
SATURDAY 19 May 00 13:41

Figure 3-24 Playlist Generator Screen with F3 Pick List

If using the F3 pick list, the most recent schedule will be at the top of the list. If this is not the schedule you wish to use to generate the UDS II playlist, use the ↓ key to highlight the correct day's schedule. When the correct schedule is highlighted, press ENTER to select the schedule and continue the generation process.

12. Once the day of the week has been entered or selected, press F2 to generate a schedule.

13. After the `Success!` Message appears on your screen, press SPACE to return to the Utilities main menu.

    After a schedule has been prepared in Selector, you must check it for errors before transferring it to the UDS II.

If you receive an error message while generating a schedule, go back to Selector and make sure that all of the songs in the schedule meet the criteria for a valid song described beginning on page 3-8. Fix any problems in the Selector music library, reschedule the day in question, and begin this process again.

Utilities for the UDS II, continued

C Check UDS II Items

After a schedule has been prepared in Selector, you must check it for errors before transferring it to the UDS II.

With the Check program, you can check and print your schedules, get information about scheduled events, locate specific compact discs by CD identifier, examine CD player and music category efficiency, and verify music library updates before you send them to the UDS II.

The UDS II Check features are explained in detail on the following pages. They will be discussed in the order they appear on the menu shown below.

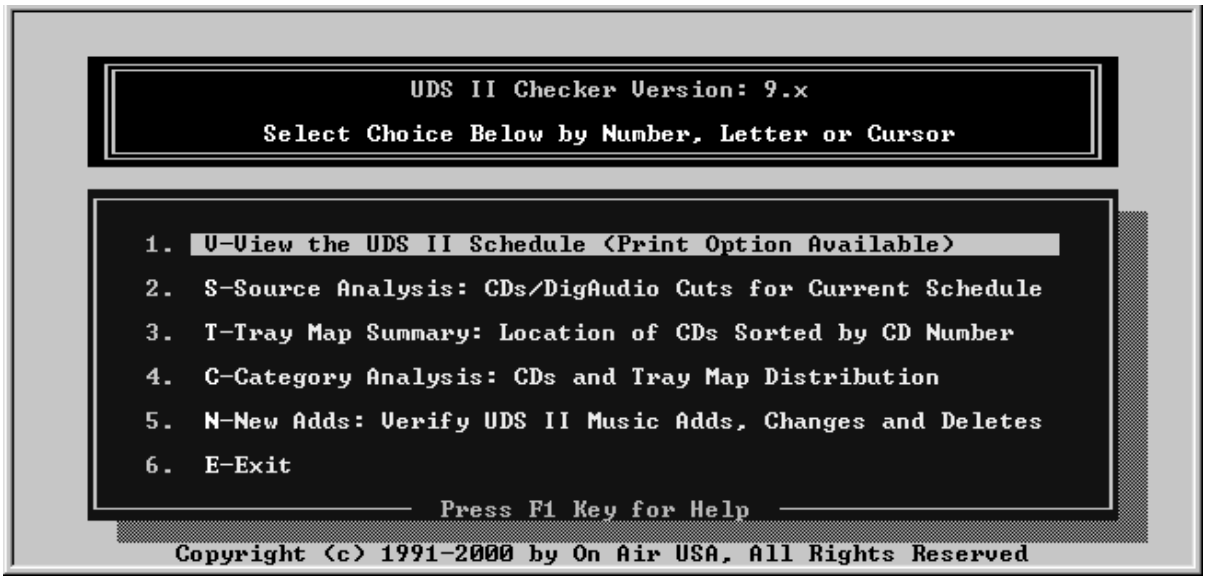

UDS II Checker Version: 9.x
Select Choice Below by Number, Letter or Cursor
1. V-View the UDS II Schedule (Print Option Available)
2. S-Source Analysis: CDs/DigAudio Cuts for Current Schedule
3. T-Tray Map Summary: Location of CDs Sorted by CD Number
4. C-Category Analysis: CDs and Tray Map Distribution
5. N-New Adds: Verify UDS II Music Adds, Changes and Deletes
6. E-Exit
Press F1 Key for Help
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-25 Check UDS II Items Menu

Utilities for the UDS II—Check UDS II Items, continued

V—View the UDS II Schedule (Print Option Available)

The View program displays the schedule that will drive the UDS II for that single day. The View program assists you in spotting problems with a schedule *before* it is imported into the UDS II. You do not want any non-scheduled positions or errors in your schedule. You *must* correct these problems before you load the schedule into the UDS II. To View the UDS II schedule, follow the directions outlined below:

1. From the UDS II Check menu, type V.

   The current schedule appears, as shown in the example below.

```
          UDS II SCHEDULE - PLAYLIST.SS FOR: 05/15/00  (EVUE 9.x)

                    This UDS II Schedule is Error Free.

>> == TRANSFER STATUS: This schedule HAS been transferred.
» - - - - - - - - - - - - - - HOUR    MARKER - - - - - - - - - - - - - -
Source   CD/Cart    Date  HH:MM    Length  Title/Artist & Breaknotes
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
! 09     1206      05/15 12:00 AM 00:09   KUDS LEGAL ID
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
  01     937-07    05/15 12:00 AM 05:39   :13 Sultans of Swing-Dire Straits
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
  09     1210      05/15 12:06 AM 00:09   KUDS JINGLE ON UDS II
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
  01     936-03    05/15 12:06 AM 04:41   :22 Gloria-Branigan, Laura
  01     937-14    05/15 12:11 AM 03:50   :49 When I Think of You-Jackson, Jan
  01     521-12    05/15 12:14 AM 03:06   :08 Golden Opportunity-Brave Combo
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
! 81     Delete to 05/15 12:18 AM 00:00   :08:00 TIME UPDATE
! 09     7001      05/15 12:18 AM 00:30   BANK OF DALLAS
! 09     7014      05/15 12:18 AM 00:30   CINEMARK THEATRES
! 09     1207      05/15 12:19 AM 00:05   KUDS JINGLE
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
  01     936-07    05/15 12:19 AM 03:02   :15 Little Red Corvette-Prince
         For complete information on special key functions, press F1
```

Figure 3-26 View the UDS II Schedule Window

The top line of the view window shows the schedule date, followed by error status information, transfer status information, merge status information, and finally the schedule itself.

Utilities for the UDS II—Check UDS II Items; View, continued

Error Status Information

➪ If there are errors found in the schedule, View displays the following flashing red message:

```
Errors found in the schedule.
```

🕮 For detailed information on the errors that can be detected and suggestions on how to correct them, see *Fixing Common Check Errors* on page 3-130 of this chapter.

➪ If there are no errors found in the schedule, View displays the following steady yellow message:

```
This UDS II Schedule is Error Free.
```

Transfer Status Information

The transfer status of the schedule is displayed next, indicating whether or not the schedule has been transferred for import into the UDS II.

➪ If the schedule has not been transferred, View displays the following steady brown message:

```
This schedule has NOT been transferred.
```

➪ If the schedule has been transferred, View displays the following steady cyan message:

```
This schedule has been transferred.
```

Merge Status Information

If you are using a DCS, the merge status of the schedule is displayed next.

➪ If the schedule has not been merged, View displays the following bright red message:

```
Warning! This is an UNMERGED LOG!
It should not be imported into the UDS II!
```

➪ If the schedule has been merged successfully, View does not display a merge-related message.

Utilities for the UDS II—Check UDS II Items; View, continued

Schedule Information

Following the initial status information is the schedule itself. The events in the schedule are listed chronologically, in the order they are scheduled to play in the UDS II. Each event is divided into six columns of information: Source, CD/Cart, Date, HH:MM, Length, and Title/Artist & Breaknotes.

1. The *Source* column shows the UDS II source number.

   If the source number is preceded by an exclamation point (`!`), that event is "mandatory" and will not be removed by the Source 81 non-destructive time-update command.

2. The *CD/Cart* column displays a variety of event-specific descriptions:

   For a *song on compact disc*, the disc number and track is shown.

   For a *song on UDS-HD hard drive*, the cart number and track 00 is shown.

   For a *live studio* event, `-Live Studio` is displayed.

   For *non-music digital audio events*, the CD/Cart column displays the following:

Using the Merge Program?	Has the log been merged?	CD/Cart column
No	--	`[NONMUSIC]`
Yes	No	`DigAudio`
Yes	Yes	Actual cart number

   For *time-update commands*, the CD/Cart column displays the following:

Source	Breaknote Description	CD/Cart column
81	Non-Destructive Time Update	`Delete To`
82	Destructive Time Update	`Delete To`
83	Update and Advance Time Update	`Do Next @`
90	Fill/Schedule Time Update	`Fill to @`

Utilities for the UDS II—Check UDS II Items; View, continued

For *utility relay commands*, the CD/Cart column displays the following:

Source	Breaknote Description	CD/Cart column
84	Utility Relay On by Time	`Relay On`
85	Utility Relay Off by Time	`Relay Off`
94	Utility Relay On by Position	`Relay On`
95	Utility Relay Off by Position	`Relay Off`

For *system start and stop commands*, the CD/Cart column displays the following:

Source	Breaknote Description	CD/Cart column
86	System Stop by Time	`Sys Stop`
87	System Start, Live Mode	`Sys Start`
88	System Start, AutoSegue Mode	`Sys Start`
96	System Stop by Position	`Sys Stop`

For *miscellaneous commands*, the CD/Cart column displays the following:

Source	Breaknote Description	CD/Cart column
89	Load Hotkey Files	`Load File`
97	Load Schedule	`Load Skd`
98	Informational Text Message	`Text Notes`
99	Spot-Catcher (prior to merge only)	`+Catcher`

📖 For more information on breaknotes and their uses, refer to the *UDS II Breaknote Commands* section starting on page 3-21.

Utilities for the UDS II—Check UDS II Items; View, continued

23. The *Date* column shows the month and day the event is scheduled to air.

24. The *HH:MM* column shows the time (where HH is the hour and MM is the minute) the event is scheduled to air.

    If you wish to display hours, minutes and seconds on this screen (and throughout the Utilities for the UDS II), use the SECONDS.UDS flag file.

    📖 See *Customizing the Date Display* on page 3-220 later in this chapter for more information on flag files and how to create them.

5. The *Length* column shows the scheduled run time, in minutes and seconds, for the event.

    If a less-than symbol (<) follows the run time the displayed event is a *time-compare* event. UDS II will play this event for the amount of time listed before segueing to the next event in the schedule.

6. The *Title/Artist & Breaknotes* column shows the intro, title, and artist name for songs, the sponsor name for spots, the scheduled action time for updates and relay commands, and the breaknote description of liners, jingles, and other non-music events.

Utilities for the UDS II—Check UDS II Items; View, continued

Color codes are also used to identify each event in the schedule:

- *Songs* from any source appear in white.
- *Non-music audio events* appear in light green after the spot and music logs have been merged and are set off from the rest of the schedule by a row of light green boxes.
- *System commands* appear in light blue.
- *Spot catchers* (Source 99) appear in magenta.

  Note: Spot catchers are not displayed after the schedule has been merged.
- The *total number of events* and *total time in the hour* are shown in yellow at the end of each hour, just prior to the hour marker.

  Note: It is *normal* for times like 1:64 a.m. to be displayed. Modest over-scheduling of an hour is generally desired and, although a time such as 64 minutes past the hour doesn't exist in the "real world," it is a valid scheduled-at time for the UDS II.
- *Warnings* of potential problems in the schedule are shown in red:

  1. An event scheduled from "Source 0" means the song does not have a UDS II machine number in Selector's music library or no song was scheduled by Selector.
  2. Live studio events or other non-digital audio events are scheduled back to back. If you intended to schedule back-to-back live studio events, you can configure the Utilities to ignore this conflict. For other non-digital audio events, this effect of this error is also dependent on the UDS II equipment file settings and your UDS II system configuration.
  3. Two songs from the same CD player are either scheduled back-to-back or are not separated by sufficient digital audio or other non-music elements to allow the CD changer to reload. The back-to-back-play warning is suppressed if there are events of sufficient duration to give UDS II enough time to reload the CD players.

Utilities for the UDS II—Check UDS II Items; View, continued

Moving Around in View

To find errors in the schedule being viewed, either press CTRL PG DN or ENTER. This moves the display to the next error in the schedule, if one exists. If no error is found, the display does not change. To return the display to a previous error, either press CTRL PG UP or CTRL ENTER.

***Note*:** Make a note of any errors, so you can correct them in Selector.

To browse the schedule without checking for errors, a number of commands are available to move the display.

↑ Scrolls the display **up** one line.

↓ Scrolls the display **down** one line.

HOME Zooms to the **beginning** of the schedule or report, so that the first line appears at the top of the display.

END Zooms to the **end** of the schedule or report, so that the End of Report marker is at the bottom of the display.

PG DN Scrolls the display **down 22 lines** from the current position.

PG UP Scrolls the display **up 22 lines** from the current position.

⇥ Tab - Moves forward to the **next hour**.
The hour marker appears at the top of the view window.

SHIFT ⇥ Shift+Tab - Moves backward to the **previous hour**.
The hour marker appears at the top of the view window.

F1 Displays the **Help** window. Pressing ESC or X from the Help window returns the display to the previous screen.

ESC **Exits** View, returning to the UDS II Check menu.

***Note*:** The schedule display does not wrap around or move beyond the beginning or end of the scheduled events list.

Utilities for the UDS II—Check UDS II Items; View, continued

Time Status

The schedule is separated by hour markers. At the end of each hour, the "Total Time" and "Number of Events" are displayed for that hour. The status message at the end of the schedule shows the "Total Time of Entire Schedule" and the "Total Number of Events".

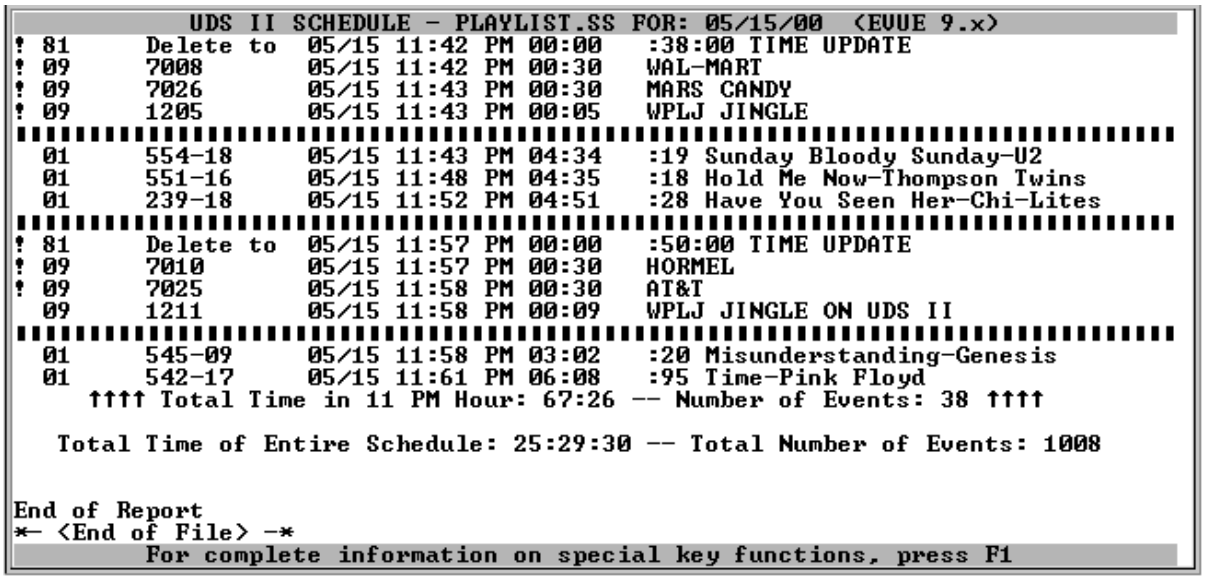

UDS II SCHEDULE - PLAYLIST.SS FOR: 05/15/00 (EVUE 9.x)
! 81 Delete to 05/15 11:42 PM 00:00 :38:00 TIME UPDATE
! 09 7008 05/15 11:42 PM 00:30 WAL-MART
! 09 7026 05/15 11:43 PM 00:30 MARS CANDY
! 09 1205 05/15 11:43 PM 00:05 WPLJ JINGLE
01 554-18 05/15 11:43 PM 04:34 :19 Sunday Bloody Sunday-U2
01 551-16 05/15 11:48 PM 04:35 :18 Hold Me Now-Thompson Twins
01 239-18 05/15 11:52 PM 04:51 :28 Have You Seen Her-Chi-Lites
! 81 Delete to 05/15 11:57 PM 00:00 :50:00 TIME UPDATE
! 09 7010 05/15 11:57 PM 00:30 HORMEL
! 09 7025 05/15 11:58 PM 00:30 AT&T
09 1211 05/15 11:58 PM 00:09 WPLJ JINGLE ON UDS II
01 545-09 05/15 11:58 PM 03:02 :20 Misunderstanding-Genesis
01 542-17 05/15 11:61 PM 06:08 :95 Time-Pink Floyd
†††† Total Time in 11 PM Hour: 67:26 -- Number of Events: 38 ††††
Total Time of Entire Schedule: 25:29:30 -- Total Number of Events: 1008
End of Report
- <End of File> -
For complete information on special key functions, press F1

Figure 3-27 Viewing the end of the schedule and the totals

Print Schedule

If you would like to print the displayed schedule to an Epson-compatible printer, the following commands are available:

P Prints the **entire** schedule in a series of sixty-line pages.

ALT P Prints a **range** of hours.

The range of hours is inclusive, so that choosing `01 PM` through `03 PM` prints the 1 p.m., 2 p.m. and 3 p.m. hours.

Choosing `04 AM` for both the begin and end hour prints the 4 a.m. hour only.

Utilities for the UDS II—Check UDS II Items, continued

S—Source Analysis: CDs/DigAudio Cuts for Current Schedule

The Source Analysis: CDs/DigAudio Cuts for Current Schedule option allows you to analyze the sources called for in the current schedule.

To use the Source Analysis option, follow the directions outlined below:

1. From the UDS II Check menu, type S.

   The UDS II Schedule Source Analysis window appears, as shown below:

```
                UDS II SCHEDULE SOURCE ANALYSIS  (EVUE 9.x)

UDS II Schedule Information: Analysis of Sources: CDs and DigAudio Cuts
-------------------------------------------------------------------------
File: PLAYLIST.SS beginning 5/15 through 5/15

>> == TRANSFER STATUS: This schedule has been transferred.

When the schedule is loaded into UDS II, the F10 window should count to: 1008.

This schedule uses 4 different sources as shown below:

Source:   01 - Sony CDK-3600 - is used 491 times in this schedule.
Source:   09 - DigAudio - is used 96 times in this schedule.
Source: ! 09 - DigAudio - is used 301 times in this schedule.
Source: ! 81 - Delete to - is used 120 times in this schedule.

There are 87 different 'events' scheduled in this log.

A total of 57 CDs are called for in this schedule.

        For complete information on special key functions, press F1
```

Figure 3-28 UDS II Schedule Source Analysis Window

The transfer status for the schedule being analyzed is displayed first, followed by a red warning message if the current log has not yet been merged. Please note, the not-merged warning only appears if you are using the UDS II Merge program.

Once the music and spot logs have been successfully merged (or, if you are not using the merge program, immediately), a yellow information message appears showing the number of events to be imported by the UDS II. *Make a note of this number.* The number of imported items on the UDS II F10 Load Schedule window and in the UDS II Schedule Import Report should match this number.

The Source Analysis also shows what sources are used in the UDS II schedule and how often each source is accessed.

Utilities for the UDS II—Check UDS II Items; Source Analysis, continued

- ➪ If there is an exclamation point (!) preceding a source, it is a must-play item and is not subject to being dropped by the UDS II time update function.

- ➪ The total number of *different* events is also displayed. For example, if spot number 4201 is used 5 times in the schedule, it still counts as just one unique event.

2. Press PG DN to proceed to the next page of the UDS II Schedule Source Analysis, the CD Usage Report, as shown below.

   Use the PG UP and PG DN keys to move through the report one page at a time. Use the ↑ and ↓ arrow keys to move through the report one line at a time.

   The Source Analysis also shows what percentages of CDs in the tray maps are used by the current schedule. The second page of the Source Analysis report shows each CD used in the schedule (sorted by CD identifier) and the number of times each CD is used.

```
                UDS II SCHEDULE SOURCE ANALYSIS  (EVUE 9.x)
There are 127 different 'events' scheduled in this log.
─────────────────────────────────────────────────────────────

A total of 65 CDs are called for in this schedule.

You have 76 CDs in the tray maps. This schedule uses 85.5% of all the CDs
you've put in your tray maps.

Here's how often your CDs are used in this schedule:

CD   122 is used   6 times in this schedule.
CD   126 is used   6 times in this schedule.
CD   132 is used   6 times in this schedule.
 **  CD   132 is NOT found in the 'Tray Map!'  **
CD   154 is used   2 times in this schedule.
CD   167 is used   5 times in this schedule.
CD   206 is used   1 time in this schedule.
CD   215 is used  11 times in this schedule.
CD   428 is used   4 times in this schedule.
CD   502 is used  11 times in this schedule.
CD   503 is used  12 times in this schedule.
CD   504 is used  10 times in this schedule.
CD   507 is used   5 times in this schedule.
        For complete information on special key functions, press F1
```

Figure 3-29 Source Analysis CD Usage Report

The Source Analysis compares the current schedule with the current tray maps. Any discrepancies are flagged with a red warning message. If a CD, for example disc number 1034, is called for in the schedule and this disc does not appear in the tray maps, the following warning message is displayed:

```
** CD 1034 is NOT found in the 'Tray Map!' **
```

IMPORTANT! All CDs scheduled to be played *must* be found in the tray maps. Songs played from UDS-HD music on hard-drive should *not* be placed in the tray maps.

Utilities for the UDS II—Check UDS II Items; Source Analysis, continued

- If a full duplicate library system is in use with Sony CDK-006 or NSM 3101AC players, all duplicate CDs appear from the lower of the two source numbers assigned to each pair of those machines. This is normal, because the UDS II resolves the apparent source conflicts for each song at schedule import time.

- All UDS II events *mus*t come from a valid source. Source 0 (zero) is always an invalid source and should *not* be part of the schedule. The Source Analysis shows how many times source 0 is found in the schedule—and by scrolling the display down a few lines, the air times and dates of all source 0 events.

3. Press PG DN several times to proceed to the next page of the UDS II Schedule Source Analysis, the Digital Audio Usage Report, as shown below.

```
                UDS II SCHEDULE SOURCE ANALYSIS  (EVUE 9.x)

There are 120 events programmed from a source other than DigAudio.

_____________________________________________________________________

There are 29 different DigAudio cuts used in this schedule:
DigAudio Cut 1204/KUDS JINGLE ON UDS II    is used   7 times in this schedule.
DigAudio Cut 1205/KUDS JINGLE              is used  31 times in this schedule.
DigAudio Cut 1206/KUDS LEGAL ID            is used  31 times in this schedule.
DigAudio Cut 1207/KUDS JINGLE              is used  31 times in this schedule.
DigAudio Cut 1208/KUDS JINGLE ON UDS II    is used   7 times in this schedule.
DigAudio Cut 1209/KUDS JINGLE ON UDS II    is used   7 times in this schedule.
DigAudio Cut 1210/KUDS JINGLE ON UDS II    is used   8 times in this schedule.
DigAudio Cut 1211/KUDS JINGLE ON UDS II    is used   8 times in this schedule.
DigAudio Cut 1212/KUDS JINGLE ON UDS II    is used   7 times in this schedule.
DigAudio Cut 1213/KUDS BOTTOM HOUR JINGLE  is used  31 times in this schedule.
DigAudio Cut 7001/BANK OF DALLAS           is used  14 times in this schedule.
DigAudio Cut 7002/BANK ONE                 is used   4 times in this schedule.
DigAudio Cut 7004/SEARS                    is used   8 times in this schedule.
DigAudio Cut 7005/SEARS                    is used   4 times in this schedule.
DigAudio Cut 7006/SEARS                    is used  10 times in this schedule.
DigAudio Cut 7007/MIDAS BRAKES             is used  13 times in this schedule.
DigAudio Cut 7008/WAL-MART                 is used  24 times in this schedule.
        For complete information on special key functions, press F1
```

Figure 3-30 Source Analysis Digital Audio Usage Report

The total number of non-music events that are scheduled to be played from a source other than the primary digital audio source is displayed. These events include time update commands, text message breaknotes, and utility relay commands.

If you are merging the music and spot logs, and the log has been successfully merged, all of the digital audio events are displayed in light green. This can be particularly useful for verifying that all commercial spots that are supposed to play that day are indeed scheduled and accounted for. The events are sorted in order by cart number, as shown above. The client name, if available, is shown as well as the number of times each cart is called for by the schedule.

Utilities for the UDS II—Check UDS II Items; Source Analysis, continued

Printing the Source Analysis Report

The report may be printed by pressing the P key.

In addition, part of the report may be printed using the following commands. This allows you to print only the information you need, saving time and paper:

ALT T — Begins the marking of a portion of the report for printing. The block of text to print begins at the top line of the display.

ALT B — Ends the marking of a portion of the report for printing. The block of text to print ends with the line currently shown at the bottom of the display or at the <End of File> marker, whichever comes first.

If you press ALT B without first marking a top line, the *entire* file is marked for printing. Once the file has been marked, you *must* either press ALT P or ALT U to "unmark" the file.

ALT P — Prints only the marked block. This key is inactive if there is no marked block.

ALT U — Unmarks a marked block without printing.

Press ESC to return to the UDS II Check menu.

Utilities for the UDS II—Check UDS II Items, continued

T—Tray Map Summary: Location of CDs Sorted by CD Number

Unlike the actual tray maps, which are shown in order by slot number, this report is sorted by CD identification number. This makes it easier to determine where a specific CD is located. The list is sorted such that disc '9' appears before disc 'A' and disc '201' precedes disc '1005' in the list.

To display the Tray Map Summary, follow the directions outlined below:

1. From the UDS II Check menu, type T.

   The Tray Map Summary report appears, as shown below:

```
                    UDS II TRAY MAP SUMMARY  (EVUE 9.x)

UDS II Tray Map Summary: Sorted by CD
_____________________________________________

CD   122 is located in Denon 1400 01 at Slot 04.
CD   126 is located in Denon 1400 01 at Slot 05.
CD   154 is located in Denon 1400 01 at Slot 09.
CD   167 is located in Sony CDK-3600 03 at Slot 01.
CD   206 is located in Sony CDK-3600 03 at Slot 04.
CD   215 is located in Denon 1400 01 at Slot 10.
CD   428 is located in Denon 1400 01 at Slot 11.
CD   502 is located in Sony CDK-3600 03 at Slot 02.
CD   503 is located in Sony CDK-3600 03 at Slot 03.
CD   503 is located in Denon 1400 01 at Slot 28.
## WARNING! ##   CD 503 is duplicated in tray map!
CD   504 is located in Sony CDK-3600 03 at Slot 21.
CD   507 is located in Sony CDK-3600 03 at Slot 22.
CD   512 is located in Sony CDK-3600 03 at Slot 23.
CD   514 is located in Sony CDK-3600 03 at Slot 24.
CD   517 is located in Sony CDK-3600 03 at Slot 25.
CD   518 is located in Sony CDK-3600 03 at Slot 26.
CD   519 is located in Denon 1400 01 at Slot 21.
CD   520 is located in Denon 1400 01 at Slot 22.
CD   521 is located in Denon 1400 01 at Slot 23.
        For complete information on special key functions, press F1
```

Figure 3-31 Tray Map Summary Report Window

- If duplicate libraries are in use, the locations for all copies of each CD are shown on the same line.
- If you are not using duplicate libraries and a CD appears more than once in the tray maps, a warning is displayed (as shown in the example above). This problem must be fixed before loading a schedule into the UDS II since each CD must have a single location (unless you are using duplicate libraries). Pressing CTRL PG DN "zooms" to the next warning message, if any.
- The total number of CDs in the tray maps is displayed at the end of the report.
- The entire report may be printed by pressing the P key. See *Printing the Source Analysis Report* on the previous page for commands to print a portion of the report.

2. Press ESC to return to the Check menu.

Utilities for the UDS II—Check UDS II Items, continued

C—Category Analysis: CDs and Tray Map Distribution

The Category Analysis report is helpful in determining such things as distribution of the CDs among the CD changers and among the Selector categories. This analysis also pinpoints discrepancies between the UDS tray maps and Selector's Media fields.

This report based upon the information in a SONG.DAT report generated from Selector's music library. To create the SONG.DAT report the Utilities require to perform this Category Analysis, follow the steps below:

1. From Selector's main menu, type 8 to select `Reports`.

2. From the Reports menu, choose Report 99.
   This can be selected quickly by pressing CTRL END and then pressing ↑ once.

3. Select the data to examine by using the F5 Input Options key.

   IMPORTANT: Only valid, scheduled categories and levels should be included in the filter criteria.

4. Press F9 for `Print Options`.

5. Press 2 to select `Send to File`.

6. After Selector displays the message `Finished Generating the Report, Sent To Print File Manager`, press F9 for `Print Options`.

7. Press 6 to jump to the `Print File Manager`.

8. From the Print File Manager, move the highlight bar to the most recent version of the `SONG.DAT Report Generator` file.

9. Press F3, `View a File`, to check the contents of the report you have just created. This report must contain every song that you schedule for play in the UDS II.

   📖 Read Print File Manager in section five of the *Selector Manual* for details on using the file viewer.

   If the report file is correct, press ESC to return to the Print File Manager.
   Otherwise, return to step one and call RCS for help.

10. Press F4, `Copy a File`, so that the file can be given a name.

11. Type the file name S O N G . D A T.

Utilities for the UDS II—Check UDS II Items; Category Analysis, continued

12. Press F2 to begin the copy process.

13. After Selector displays the `Report Copied` message, press ESC four times to exit Selector completely.

14. Start the Utilities for the UDS II.

15. From the Utilities menu, press C for `Check UDS II Items`.

16. From the Check UDS II Items menu, press C for Category Analysis. The Utilities display a counter as the SONG.DAT report is converted. When the conversion is complete, the Utilities display the Category Analysis report.

```
                UDS II CATEGORY AND CD ANALYSIS  (EVUE 9.4s)

Analysis of Categories and Tray Map Allocation


Your library contains 1014 total songs with 7 categories in use.
    Category A has 35 songs.
    Category C has 100 songs.
    Category I has 144 songs.
    Category M has 262 songs.
    Category S has 173 songs.
    Category T has 117 songs.
    Category Y has 183 songs.

The distribution among the Sources is shown below:

   In category A, 15 songs are located in Source 1.
   >>>    42.9% of the category is in that Source ^^^
   In category A, 7 songs are located in Source 2.
   >>>    20.0% of the category is in that Source ^^^
   In category A, 5 songs are located in Source 3.
   >>>    14.3% of the category is in that Source ^^^
   In category A, 6 songs are located in Source 4.
   >>>    17.1% of the category is in that Source ^^^
         For complete information on special key functions, press F1
```

Figure 3-32 UDS II Category and CD Analysis Report

If this is the first time you have created the Category Analysis report, it is likely to contain errors. Note these errors and use the tools suggested by the error messages to correct them.

IMPORTANT: You must create a new report each time you use the Category Analysis feature. The report, stored as ANALYZE.TXT, is not automatically updated as changes are made to the music library. The accuracy of the Category Analysis is only as good as the information provided by the ANALYZE.TXT file that you create.

Utilities for the UDS II—Check UDS II Items; Category Analysis, continued

Analysis of Categories and Tray Map Allocation

The report shows the total number of songs and the total number of categories currently in use by the music library followed by a listing of how many songs are within each category.

➪ The next part of the report, "Distribution among the Sources," shows how the songs in the categories are distributed throughout the CD players.

Any category with greater than or equal to 50% of its songs located in one player is highlighted in yellow with an asterisk prior to the percentage.

➪ If any songs are shown as being in Machine 0, the following warning message (where `X` represents the category and `Y` represents the number of songs in that category with no source location) is displayed in red:

```
In category X, Y songs are located in Source 0.
```

- If the song is in a "hold" or "rest" category, this *may* not be a cause for concern. As long as the song is *never* scheduled, there will be no problem.
- If the song is on compact disc, enter the CD identifier into the appropriate slot and machine in the tray maps.
- If the song is a UDS-HD music on hard-drive event, manually enter the lowest UDS-HD source into the Cart field for this song in Selector's music library.

After correcting all of the errors, recreate the Category Analysis report following the steps on the previous page. Continue this process until the tray maps and the Selector music library combine to yield an error-free Category Analysis report.

Utilities for the UDS II—Check UDS II Items; Category Analysis, continued

Analysis of CD Utilization by Category

Use the PG DN key and the ↑ and ↓ arrow keys to move down to the next portion of the report, "Analysis of CD Utilization by Category." This section of the Category Analysis report shows which CDs (as opposed to individual songs) are in use by each category. Each disc is analyzed individually showing how its cuts are distributed among the categories.

```
                UDS II CATEGORY AND CD ANALYSIS  (EVUE 9.x)

Analysis of CD Utilization by Category:

CD 004A (located in Source 1) is used a total of 17 times in the database.
        **  6 times by Category A:  35.3%
        **  2 times by Category C:  11.8%
        **  2 times by Category D:  11.8%
        **  7 times by Category Z:  41.2%

CD 018A (located in Source 1) is used a total of 19 times in the database.
        **  6 times by Category A:  31.6%
        **  4 times by Category C:  21.1%
        **  3 times by Category D:  15.8%
        **  6 times by Category Z:  31.6%

CD 028A (located in Source 1) is used a total of 19 times in the database.
        **  6 times by Category A:  31.6%
        **  1 time by Category C:   5.3%
        **  2 times by Category D:  10.5%
        ** 10 times by Category Z:  52.6% **

CD 030A (located in Source 1) is used a total of 17 times in the database.
        **  5 times by Category A:  29.4%
         For complete information on special key functions, press F1
```

Figure 3-33 Analysis of CD Utilization by Category

CDs with over half their songs in a single category (such as disc 028A in the example above) are highlighted in yellow, with the percentage followed by a double asterisk. This can be helpful if you should need to reallocate discs—determining which discs are used predominantly by a given category.

Utilities for the UDS II—Check UDS II Items; Category Analysis, continued

Summary of CDs in each Category

Use the PG DN key and the ↑ and ↓ arrow keys to move down to the next portion of the report, a summary of the CDs in the system. The total number of discs in use by the music library is shown as well as how many discs are utilized by each category.

```
                UDS II CATEGORY AND CD ANALYSIS  (EVUE 9.x)
        **  2 times by Category C:  11.8%
        **  1 time by Category D:   5.9%
        ** 14 times by Category R:  82.4% **

CD 996A (located in Source 1) is used a total of 19 times in the database.
        **  2 times by Category C:  10.5%
        **  2 times by Category D:  10.5%
        ** 15 times by Category Z:  78.9% **

CD TEST (located in Source 3) is used a total of  1 time in the database.
        **  1 time by Category C: 100.0% **


There are 27 different CDs in use by this database.
The following is a summary showing the number of CDs in each category:

Category A uses 7 different CDs.
Category C uses 27 different CDs.
Category D uses 20 different CDs.
Category R uses 11 different CDs.
Category Z uses 12 different CDs.


        For complete information on special key functions, press F1
```

Figure 3-34 Total CDs in the Database and CD Utilization by Category

Utilities for the UDS II—Check UDS II Items; Category Analysis, continued

Comparison

Use the PG DN key and the ↑ and ↓ arrow keys to move down to the last portion of the report, a comparison of the music library to the tray maps.

- UDS II Check displays a red warning message similar to this example if you have a song on CD in the Selector music library that is not found in the tray maps.

  ```
  CD 169A: in database - NOT in Tray Maps
  ```

  Correct this error by finding the CD and entering the CD identifier in the tray maps.

- UDS II Check displays a red information message similar to this example if the Selector music library shows a song on CD residing in a CD player different from the CD's location in the tray maps.

  ```
  Jukebox 3 in music library - BUT Jukebox 1 in tray map!
  ```

  Correct this error by finding the CD and saving the correct location in the tray maps.

- UDS II Check displays a yellow information message similar to this example if a CD is found in the tray maps but is not found in Selector's music library:

  ```
  CD 9311: in Tray Maps - NOT in music library!
  ```

  Correct this error by adding one or more songs from this CD to the Selector music library or removing this CD identifier from the tray maps.

```
                UDS II CATEGORY AND CD ANALYSIS  (EVUE 9.x)

## WARNING! ##  There are discrepancies with CDs in your database!
Please refer to the list shown below:
CD 169A: in database - NOT in Tray Maps!
In total, there is 1 CD not shown in the tray maps.

Report of CDs in tray maps but not used in music library:
-------------------------------------------------------

CD 5719 in Machine 3 Slot 17 - NOT in Music Library!

End of Report
*- <End of File> -*



        For complete information on special key functions, press F1
```

Figure 3-35 UDS II Category Analysis with Examples of Common Errors

Utilities for the UDS II—Check UDS II Items, continued

N—New Adds: Verify UDS II Music Adds, Changes and Deletes

When a song in Selector's music library is added or deleted, or a song has the title, artist, CD ID, intro time, run time, or ending changed, these changes must be reported to the UDS II music library when the next new schedule is loaded. These changes are reported to UDS II by creating special update files in Selector called NEWADDS.DAT, DELETES.DAT and CHANGES.DAT before you print the completed music log to disk.

***Note*:** Moving a song to another Selector category or a change in tempo, texture, or mood is not a "change" in this context since UDS II does not use or store this information.

1. From Selector's main menu, press 8 to select `Reports`.
2. Press CTRL END to choose Report 100, the last report on the list.
3. Press F5 and then define the input options to be used for the report.
4. Once the input criteria have been defined, generate the report by pressing F9 for `Print Options` then 2 to select `Send to File`. This step may take a few moments.
5. After the report has been generated, press F9 for `Print Options` then 6 to jump to the `Print File Manager`.
6. From the Print File Manager menu, use the ↑ and ↓ keys to move the highlight bar to most recent version of the `Selector Library to UDS II Library` report file.

   NOTE: This report should be the first file in the list.

7. Press F3, `View a File`, to check the contents of the report you have just created. This report must contain only the songs you wish to update in the UDS II music library database. You are responsible for the accuracy of these reports. Whatever information is found in these reports will be transferred to the UDS II music library database.

   📖 Read *Print File Manager* in section five of the *Selector Manual* for details on using the file viewer.

   If the report file is correct, press ESC to return to the Print File Manager.
   Otherwise, return to step one and call RCS for help.

8. Press F4, `Copy a File`, so that the file can be given a new name.

Utilities for the UDS II—Check UDS II Items; New Adds, continued

9. The report must now be given one of the following names: NEWADDS.DAT, DELETES.DAT, or CHANGES.DAT. The name chosen for each report controls how the UDS II will process the data for each song in that report.

   - Songs being *added* to the music library must appear in a NEWADDS.DAT report.
   - Songs being *deleted* from the music library must appear in a DELETES.DAT report.
   - Songs being *updated* in the music library must appear in a CHANGES.DAT report.

   If the report is *not* given one of these three names, then none of the changes to the Selector music library in that report will be imported to the UDS II music library.

   All three of these reports may be individually prepared for one schedule. However, these reports *must* be prepared *prior* to the transfer of the merged UDS II schedule to diskette (or network path, if you are using UDS II on a local area network).

13. Type the appropriate file name then press F2 to begin the copy process.

14. When Selector displays `Report Copied`, the naming process is complete. You may repeat these steps as necessary to create either of the other two reports.

    IMPORTANT: You should not create a new report with the same name until this set of updates has been processed and transferred to the UDS II. Otherwise the update report will be overwritten and the changes you wished to make will be lost.

After creating these reports in Selector, the next time you transfer a schedule to the UDS II, these files are automatically combined into a file called NEWADDS.DB and transferred with the schedule. During schedule import, NEWADDS.DB updates the UDS II music library automatically (as opposed to doing these updates manually in the F5 Music Library window of the UDS II).

The New Adds report allows you to preview these music library updates after they have been transferred but before those changes are actually imported to the UDS II.

Utilities for the UDS II—Check UDS II Items; New Adds, continued

To display the New Adds report, follow the directions outlined below:

1. From the UDS II Check menu, type N.

   The UDS II Music Change/Add/Deletion report appears as shown in the figure below.

```
            UDS II MUSIC CHANGE/ADD/DELETION REPORT  (EVUE 9.x)
Summary of: NEWADDS.OLD dated Tue Nov 14 13:04:22 2000
The following is a summary of the file's contents
--------------------------------------------------------------------------------
DELETE    128A-11 Love Survives       Captain & Tennille  (:07/C) 03:24  [00.0]
NEW ADD   078A-19 Stairway to Heaven  Brave Combo with Ti (:15/C) 02:58  [00.0]
NEW ADD   078A-18 Rock and Roll Part  Glitter, Gary       (:10/F) 03:45  [00.0]
CHANGE    073A-15 The Christmas Song  4 P.M.              (:00/C) 02:55  [00.0]
CHANGE    133A-02 Peaches             Presidents Of The U (:15/C) 02:48  [00.0]

Number of DELETED songs: 1.
Number of NEW ADDS: 2.
Number of CHANGED songs: 2.
--------------------------------------------------------------------------------

Summary of: NEWADDS.001 dated Tue Nov 14 13:04:22 2000
The following is a summary of the file's contents
--------------------------------------------------------------------------------
DELETE    128A-11 Love Survives       Captain & Tennille  (:07/C) 03:24  [00.0]
NEW ADD   078A-19 Stairway to Heaven  Brave Combo with Ti (:15/C) 02:58  [00.0]
NEW ADD   078A-18 Rock and Roll Part  Glitter, Gary       (:10/F) 03:45  [00.0]
CHANGE    073A-15 The Christmas Song  4 P.M.              (:00/C) 02:55  [00.0]
CHANGE    133A-02 Peaches             Presidents Of The U (:15/C) 02:48  [00.0]

        For complete information on special key functions, press F1
```

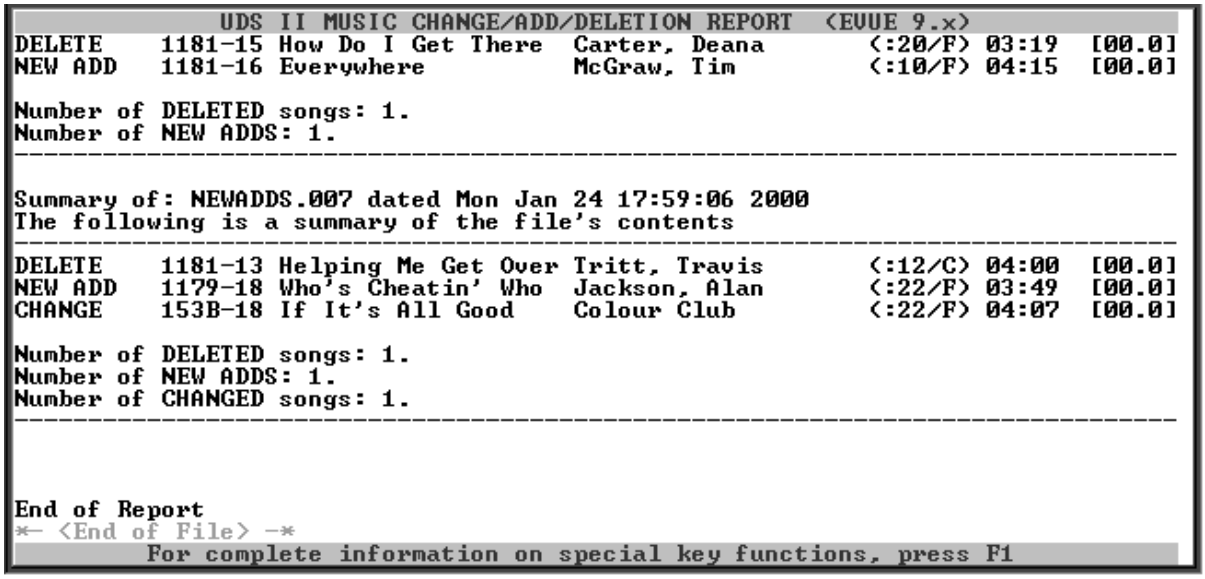
Figure 3-36 UDS II Music Change/Add/Deletion Report

2. Use the PG DN key and the ↑ and ↓ arrow keys to review the report.

   After the NEWADDS.DB update file is created and transferred, it is renamed to NEWADDS.OLD and copied to NEWADDS.001. Previous NEWADDS files are renamed accordingly with the oldest file having the highest number.

   The most recent NEWADDS.OLD list is displayed at the beginning of the report and is immediately followed by NEWADDS.001 and all other previous NEWADDS files in descending numerical/chronological order. The oldest NEWADDS file is at the end of the New Adds report.

Utilities for the UDS II—Check UDS II Items; New Adds, continued



```
              UDS II MUSIC CHANGE/ADD/DELETION REPORT  (EVUE 9.x)
DELETE    1181-15 How Do I Get There  Carter, Deana       (:20/F) 03:19  [00.0]
NEW ADD   1181-16 Everywhere          McGraw, Tim         (:10/F) 04:15  [00.0]

Number of DELETED songs: 1.
Number of NEW ADDS: 1.
--------------------------------------------------------------------------------

Summary of: NEWADDS.007 dated Mon Jan 24 17:59:06 2000
The following is a summary of the file's contents
--------------------------------------------------------------------------------
DELETE    1181-13 Helping Me Get Over Tritt, Travis       (:12/C) 04:00  [00.0]
NEW ADD   1179-18 Who's Cheatin' Who  Jackson, Alan       (:22/F) 03:49  [00.0]
CHANGE    153B-18 If It's All Good    Colour Club         (:22/F) 04:07  [00.0]

Number of DELETED songs: 1.
Number of NEW ADDS: 1.
Number of CHANGED songs: 1.
--------------------------------------------------------------------------------



End of Report
*- <End of File> -*
        For complete information on special key functions, press F1
```

Figure 3-37 Music Change/Add/Deletion Report with Old NEWADDS Lists

The New Adds report may be printed by pressing P.

3. When you are done viewing this report, press ESC to return to the UDS II Check Menu.

E—Exit

This option exits the UDS II Check menu and returns you to the Utilities for the UDS II menu. The ESC key may also be pressed to exit.

Utilities for the UDS II—Check UDS II Items, continued

Fixing Common Check Errors

➪ `A special file <Filename> must be present to select <Option>.`

The file you are trying to check cannot be found by Check.

Option:	Filename:
View	PLAYLIST.SS
Source Analysis	PLAYLIST.SS *and* TRAYMAP.XXX
Tray Map Summary	TRAYMAP.XXX
Category Analysis	SONG.DAT
New Adds	NEWADDS.DB or NEWADDS.OLD

PLAYLIST.SS is created when you generate a UDS II music schedule from the converted Selector music schedule. Try reconverting the music schedule inside Selector and then generate a new UDS II schedule with the Utilities for the UDS II.

TRAYMAP.XXX (where *XXX* represents the actual source number of the CD changer) is created when you edit the Tray Maps. Check the Tray Maps for accuracy and try again.

SONG.DAT is the Selector music library file. Make sure the Utilities are installed in Selector's program subdirectory, not a data subdirectory. Otherwise, restore the last Selector backup.

NEWADDS.DB is created for the purpose of updating the UDS II music library when any additions, deletes, or changes are made in Selector. This file is only created when significant changes are made to the music library and a schedule is transferred.

NEWADDS.OLD is a copy of the last NEWADDS.DB report. This file is created only after the schedule is transferred.

➪ `Number of days in UDS II Schedule is more than 1`

Check can only analyze or print a log up to one day long.

Utilities for the UDS II—Check UDS II Items; Fixing Common Check Errors, continued

➪ `The analysis report is invalid--no records were found.`

The Selector-created ANALYZE.TXT file is empty. Either there is no music in the selected music library or the music library is damaged beyond hope of repair. Restore your most recent Selector backup and run the ANALYZE2 program again. If this does not fix the error, call A-Ware for Selector technical support.

➪ `General memory allocation or file I/O error`

This often indicates a memory (RAM) or hardware (usually hard disk) problem. Try reprinting the schedule from Selector. If that does not solve the problem, exit all programs, run CHKDSK, and try again. Type C H K D S K / F ENTER from any DOS prompt to run CHKDSK.

🕮 Read the *DOS User's Guide* provided with your Selector computer's operating system for more information about using the CHKDSK (pronounced: check-disk) program.

➪ `PLAYLIST.SS is incorrect size or zero`

Indicates a problem with the schedule file. Try reconverting the schedule from Selector and regenerating from inside the Utilities. If that does not solve the problem, exit all programs, run CHKDSK, and try again. To run the CHKDSK program, type C H K D S K / F ENTER from the DOS prompt.

🕮 Read the *DOS User's Guide* provided with your Selector computer's operating system for more information about using the CHKDSK (pronounced: check-disk) program.

➪ `TRAYMAP.XXX is incorrect size or zero`

Indicates a problem with the tray map file, where XXX represents the zero-padded three-digit UDS II source number. Restore the system data backup from Utilities for the UDS II—System Maintenance menu. If that does not solve the problem, exit all programs, run CHKDSK, and try again. Type C H K D S K / F ENTER from the DOS prompt to run the CHKDSK program.

🕮 For more information about restoring the system backup files, read *System Maintenance—Restore a UDS II Data Backup* starting on page 3-206.

🕮 Read the *DOS User's Guide* provided with your Selector computer's operating system for more information about using the CHKDSK (pronounced: check-disk) program.

Utilities for the UDS II, continued

Merge Spot & Music Logs

IMPORTANT! The Merge option is available *only* to stations using digital audio hard-drive storage with a serial interface to the UDS II.

IMPORTANT! In addition to the UDS II Merge traffic interface from On Air Digital, your traffic and billing software may require an automation interface provided by the traffic and billing software company. Please contact them *directly* for more information.

The UDS II uses a special computer file, known as a *schedule* to know what to play and when to play it. Music schedules are produced by Selector, and merged with traffic logs using the Utilities for the UDS II Merge Spot & Music Logs function. The Merge Spot & Music Logs function allows you to load a single day's schedule into UDS II that plays not just music, but also liners, commercials, sweepers, jingles, legal identifiers, and much more.

Merge creates a composite log, placing spots from the traffic and billing software's commercial log into the music schedule at places you preset for the commercial breaks to occur. Merge also processes rotating breaknotes, live spots, empty stop sets, conditional breaknote commands and more.

The basic procedure for putting the logs together is as follows:

1. Print a single-day music log to disk from Selector.
2. Generate a UDS II-compatible schedule using the Utilities.
3. Check the music log for errors using the UDS II Check features.
4. Merge the music log with the matching single-day traffic log.
5. Check the music log again for any errors that may have been introduced during the Merge process.

Utilities for the UDS II—Merge Spot & Music Logs, continued

Getting Started

From the Utilities menu, press M to select Merge Spot & Music Logs.

➪ If there is no Merge program installed in the subdirectory, the following message appears on your screen:

```
The UDS II Commercial Log Merge System is not
          installed on your computer.
Call On Air Digital if you'd like to have this program.
```

If you have installed the Utilities for UDS II and you get this message, you should reinstall the Utilities as detailed on page 3-70 of this chapter.

If that *still* does not fix the problem, please contact On Air Digital to arrange for the shipment of a new set of Utilities.

➪ If the Merge utility is installed properly and you are running the program for the first time, the Commercial Merge Configuration Setup screen will be displayed. You must set up the Merge program before continuing. Details for configuring the Merge utility begin on page 3-81.

Once the Merge program is properly installed and configured, proceed to *Using the Merge Program* on page 3-134.

Utilities for the UDS II—Merge Spot & Music Logs, continued

Using the Merge Program

When you plan to merge the Selector music schedule with a traffic program's commercial log, the music schedule *must* be converted from Selector as a single 24-hour-day log. This single-day music log is then merged with the traffic department's single-day traffic log using the Merge utility. Follow the directions below to merge your spot and music logs:

1. From the Utilities menu, press M to select Merge Spot & Music Logs.

2. The computer displays the Log File Name entry screen. The entry field contains the "filespec for spot log" you entered in the Commercial Merge Configuration Setup screen, as described on page 3-81.

   ➪ If you pre-configured a partial filespec as well as a drive and path for the spot log, press F3 to pick from a list of matching log files. Use the ↑ or ↓ key to highlight the spot log to merge and press ENTER to accept it. Press ENTER again to begin the merge process.

      ➢ For example, if you configured Merge to find Datacount DARTS spot logs (with the file extension .LOG) in the UDSLOGS subdirectory of the G: drive, the entry field will show G:\TRAFFIC*.LOG.

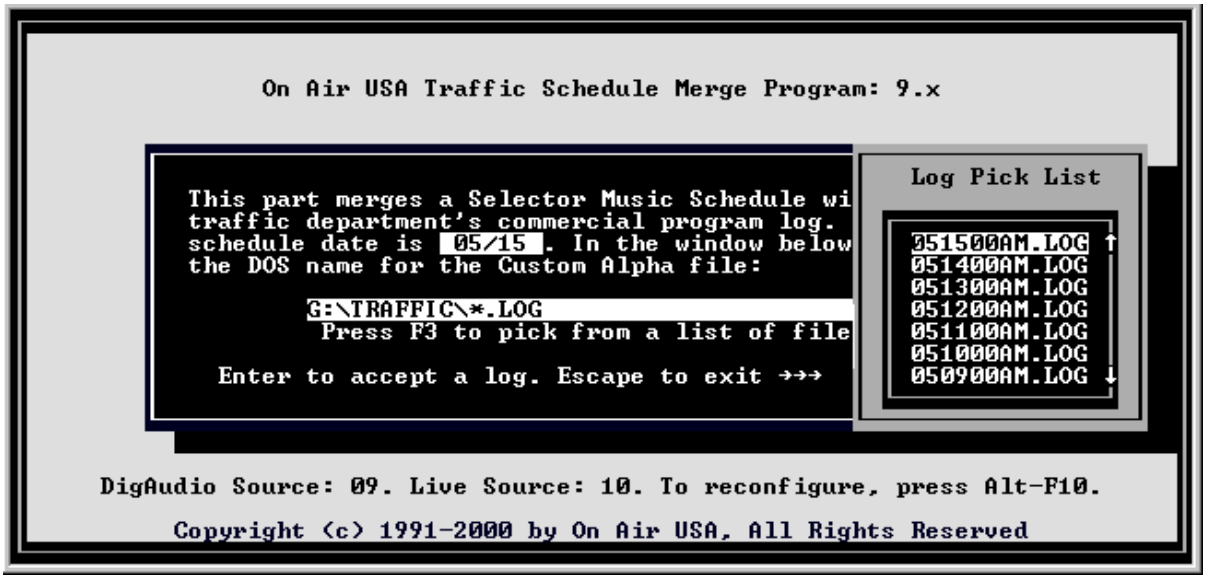

On Air USA Traffic Schedule Merge Program: 9.x
This part merges a Selector Music Schedule wi
traffic department's commercial program log.
schedule date is 05/15 . In the window below
the DOS name for the Custom Alpha file:
G:\TRAFFIC*.LOG
Press F3 to pick from a list of file
Enter to accept a log. Escape to exit →→→
Log Pick List
051500AM.LOG
051400AM.LOG
051300AM.LOG
051200AM.LOG
051100AM.LOG
051000AM.LOG
050900AM.LOG
DigAudio Source: 09. Live Source: 10. To reconfigure, press Alt-F10.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-38 UDS II Merge Program with Log Pick List

Utilities for the UDS II—Merge Spot & Music Logs; Using the Merge Program, continued

- To merge logs for Monday, May 15, 2000, press F3 to display a list of available spot logs.
- Use the ↓ key to move the highlight 051500AM.LOG.
- Press ENTER to select this log.
  The log file name you selected will replace "*.LOG" in the entry field.
- Press ENTER or F2 to begin the merge process.

➪ If you pre-configured a drive and path for the spot log, type only the spot log's file name and press ENTER to begin the merge process.

- For example, if you configured the Merge program to find CBSI spot logs (with the file extension `.EVT`) in the root directory of the B: diskette drive, the entry field will show `B:\.`
- To merge a log for Monday, type M O N . E V T.
- Press ENTER to being the merge process.

➪ If you did not pre-configure filespec information for the spot log, type the drive letter, directory path, and file name of the spot log and press ENTER to begin the merge process.

- For example, if the log for Monday, May 15, 2000, is stored in the AMLOGS subdirectory on the F: drive, type
  F : \ A M L O G S \ 0 5 1 5 0 0 A M . L O G
- Press ENTER to begin the merge process.

3. The computer works for a moment then, if the merge process is successful, displays the following message:

```
Success: Merge project is complete.
```

📖 If an error message is displayed instead, see *Fixing Common Merge Errors* on page 3-136.

4. Press SPACE to return to the Utilities menu.

Utilities for the UDS II—Merge Spot & Music Log, continued

Fixing Common Merge Errors

➪ `Music and spot logs out of sync. Spot log shows <event> at <time>, music log shows <time>.`

Where <event> and <time> represent actual times and event numbers in the schedule. The cause of this most common of merge process failures is the absence of a spot-catcher to cover the minute in the hour the spot was scheduled.

Check your breaknotes in the Selector clocks. Make sure that the breaknote line of the Selector clock uses a "S" stopset code and not the "L" lognote code.

Make absolutely sure the breaknotes are set correctly in the clocks so that there won't be any lost breaknotes.

📖 See the *Breaknote Commands* section starting on page 3-21 for more details.

➪ `Time increment or range error-probably in spot log.`

The spot is scheduled at a time outside of the sixty-minute hour.

For example, a spot scheduled to play at 8:61 a.m. can cause this error. Fix this in the traffic scheduling software's editor, and regenerate the traffic log.

➪ `Dates differ from the traffic log and the date you entered.`

Some traffic logs use the date as a file name. If this name does not match the date stored inside the file, Merge warns you that the wrong day's traffic log may be present on this disk. Check with your traffic director to fix this.

➪ `PLAYLIST.SS is an invalid size: <x> bytes.`

Reconvert the music schedule from Selector and regenerate the UDS II-compatible schedule using the Generate feature of the Utilities.

➪ `This schedule has been previously merged.`

This indicates the music schedule has already been merged with a traffic log.

If you wish to merge this music log with a different traffic log, you must reconvert the music schedule from Selector, regenerate the UDS II-compatible schedule using the Generate feature of the Utilities, check the music log for errors, then merge with the new traffic log.

Utilities for the UDS II—Merge Spot & Music Log; Fixing Common Errors, continued

➪ `Unable to locate <filename>`
`Unable to access <filename>`
`<filename> is not present`

Where `<filename>` represents the name of the file needed by the Merge program. The file `<filename>` is either in use (by another user on your local-area network), cannot be found, or does not exist. Make sure the file name is entered correctly and that the Selector program subdirectory is not in the path statement.

If you are using a network, make sure you have logged in properly and that the system administrator has set the file permissions and read rights so that you have sufficient privileges to access the traffic log file stored in the indicated subdirectory.

➪ `The dates from the music schedule and the traffic log don't match.`

Check to make sure you are merging music and traffic logs scheduled for the same date. Use the UDS II Check program to check the music log's schedule date.

📖 See the *Check UDS II Items* section starting on page 3-104 for more details.

➪ `Music schedule exceeds one 24-hour day.`

If you are merging spot and music logs, you *must* convert only one 24-hour music schedule at a time from Selector.

➪ `The number of events <x> exceeds MAX_EVENTS set at 960.`

Where `<x>` is the number of events scheduled in the traffic log.

The Merge program was designed to handle an extraordinary number of commercials, the equivalent of 40 spots an hour. If you see this message, check your traffic log to make sure it is for just one day.

➪ `There are no spots in the merged log!`

When you check the merged log, use the View program to make sure all of the spots you expected to be merged into the log are indeed a part of the merged log. If not, try re-printing the music schedule and re-merging with a traffic log on another diskette.

If this does not fix the problem, make sure you have the correct automation interface from your traffic and billing software supplier and the correct traffic interface from On Air Digital.

Utilities for the UDS II, continued

U UDS II Schedule Editor

The UDS II Schedule Editor permits revisions to be made to the UDS II schedule prior to importing this schedule into UDS II. The UDS II Schedule Editor allows you to insert, delete, change, swap/juggle, edit, copy, paste or move any event in the completed schedule. This is the easiest way (outside of the UDS II itself) to make changes to a schedule incorporating both music and spots. The UDS II Schedule Editor (also referred to as the UDS II Editor) also allows you to insert new events that are not normally scheduled by either the music scheduler or traffic and billing system.

For example, the traffic program may schedule commercials with the same announcer's voice back-to-back. Use the UDS II Schedule Editor to swap one of the back-to-back voice spots with another spot in the same stop set, fixing the problem.

As another example, you may quickly add a late-arriving commercial order or a new promo to a previously merged schedule with the copy and paste commands or fill in short stop sets with PSAs or promos using a pick list command.

You must understand that there is *no music library lookup* provided in this editing environment. Changes you make using the Utilities for the UDS II Schedule Editor are not reported back to Selector or to the traffic and billing software. These changes are not logged to report files as they would be in the F4 Editor on UDS II itself. In addition, you cannot select new songs for the schedule from those software music libraries.

The UDS II Schedule Editor's sole purpose is to make changes to an already existing schedule file. It is not designed to replace the editing environments provided in Selector or the traffic and billing program.

Utilities for the UDS II—UDS II Schedule Editor, continued

Getting Started

1. From the Utilities menu, press U to select UDS II Schedule Editor.

2. The UDS II Editor displays a status screen as the events scheduled for that date load into memory. When loading is complete, the program displays the number of events in that day's schedule.

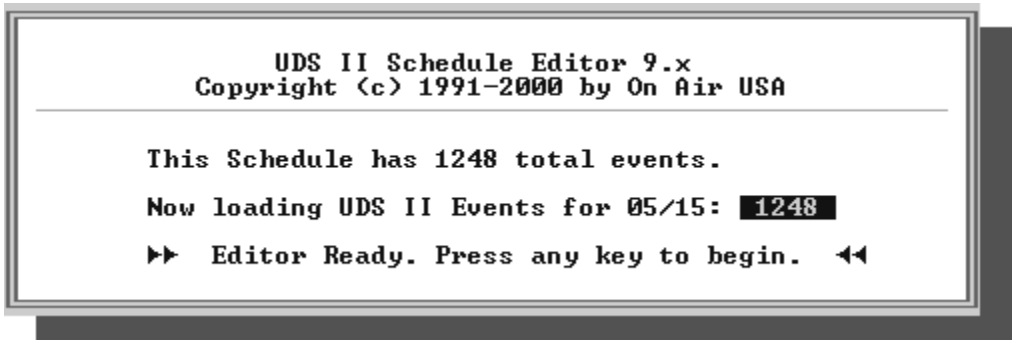

UDS II Schedule Editor 9.x
Copyright (c) 1991-2000 by On Air USA
This Schedule has 1248 total events.
Now loading UDS II Events for 05/15: 1248
Editor Ready. Press any key to begin.

Figure 3-39 UDS II Schedule Editor Loading Status Screen

3. Press any key to begin, as indicated on the screen.

   The Schedule Editor opens, as shown below.

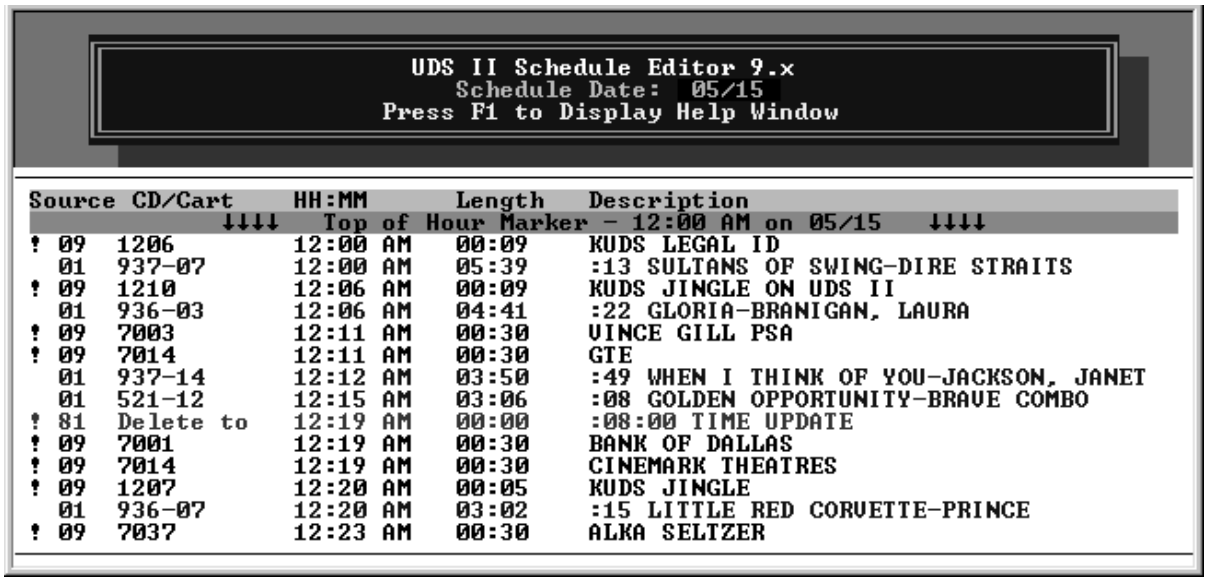

UDS II Schedule Editor 9.x
Schedule Date: 05/15
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
↓↓↓↓ Top of Hour Marker - 12:00 AM on 05/15 ↓↓↓↓
! 09 1206 12:00 AM 00:09 KUDS LEGAL ID
01 937-07 12:00 AM 05:39 :13 SULTANS OF SWING-DIRE STRAITS
! 09 1210 12:06 AM 00:09 KUDS JINGLE ON UDS II
01 936-03 12:06 AM 04:41 :22 GLORIA-BRANIGAN, LAURA
! 09 7003 12:11 AM 00:30 VINCE GILL PSA
! 09 7014 12:11 AM 00:30 GTE
01 937-14 12:12 AM 03:50 :49 WHEN I THINK OF YOU-JACKSON, JANET
01 521-12 12:15 AM 03:06 :08 GOLDEN OPPORTUNITY-BRAVE COMBO
! 81 Delete to 12:19 AM 00:00 :08:00 TIME UPDATE
! 09 7001 12:19 AM 00:30 BANK OF DALLAS
! 09 7014 12:19 AM 00:30 CINEMARK THEATRES
! 09 1207 12:20 AM 00:05 KUDS JINGLE
01 936-07 12:20 AM 03:02 :15 LITTLE RED CORVETTE-PRINCE
! 09 7037 12:23 AM 00:30 ALKA SELTZER

Figure 3-40 UDS II Schedule Editor Window

Utilities for the UDS II—UDS II Schedule Editor, continued

Using the UDS II Editor

The upper portion of the UDS II Editor's screen conveys a variety of information as you edit. The program's title and version number are found here, along with the date of the UDS II schedule and a reminder that F1 is the help key. This area of the screen is also used for status messages.

When in editing mode, a green box appears to prompt you on what keys can be pressed. If a scheduling error is detected or you attempt to insert an item using source zero, a red warning window appears here.

The editing window displays up to 15 events from the current schedule.

Within the Editor, pressing F1 displays the first screen of a two-page pop-up help window. The first screen shows the keys used for basic movement within the Editor. Pressing F1 again displays the second screen, showing the editing command keys. Every press of F1 toggles between the Keyboard (Movement) commands and Editing commands screens. Press either ESC or X to exit the help window.

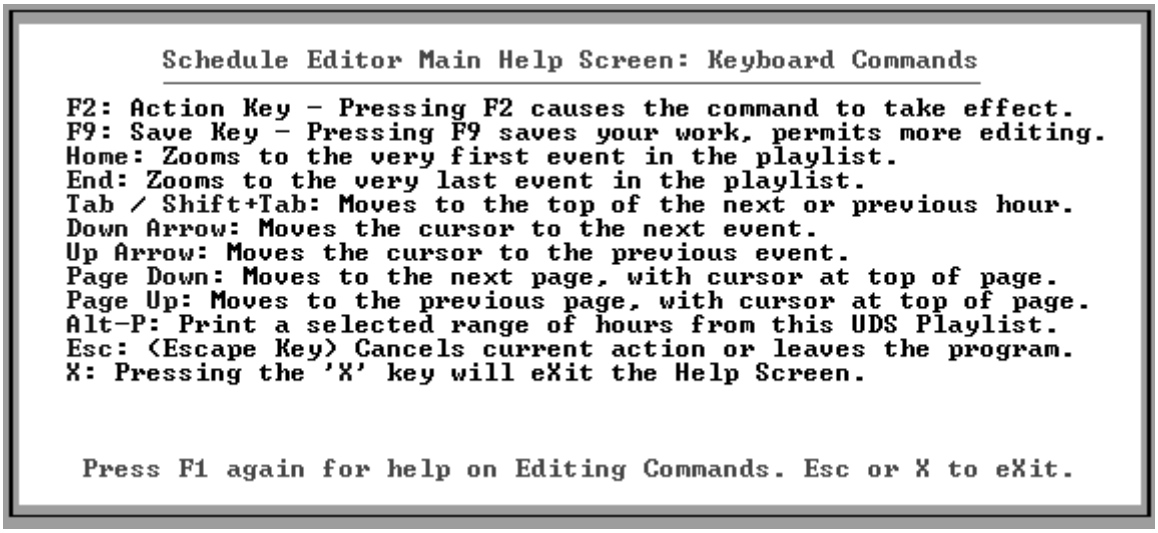

Schedule Editor Main Help Screen: Keyboard Commands
F2: Action Key - Pressing F2 causes the command to take effect.
F9: Save Key - Pressing F9 saves your work, permits more editing.
Home: Zooms to the very first event in the playlist.
End: Zooms to the very last event in the playlist.
Tab / Shift+Tab: Moves to the top of the next or previous hour.
Down Arrow: Moves the cursor to the next event.
Up Arrow: Moves the cursor to the previous event.
Page Down: Moves to the next page, with cursor at top of page.
Page Up: Moves to the previous page, with cursor at top of page.
Alt-P: Print a selected range of hours from this UDS Playlist.
Esc: (Escape Key) Cancels current action or leaves the program.
X: Pressing the 'X' key will eXit the Help Screen.
Press F1 again for help on Editing Commands. Esc or X to eXit.

Figure 3-41 Schedule Editor Main Help Screen: Keyboard Commands

Utilities for the UDS II—UDS II Schedule Editor, continued

Keyboard (Movement) Commands

↓: Moves the highlight bar down one event. If the highlight bar is at the bottom of the editing window, the screen scrolls upward so the highlight bar stays at the bottom of the screen. The event that was at the top of the window is scrolled up, off the screen.

↑: Moves the highlight bar up one event. If the highlight bar is at the top of the editing window, the screen scrolls downward so the highlight bar remains at the top of the screen. The event that was at the bottom of the window is scrolled down, off the screen.

PG DN: Moves to the next 15 events of the schedule, with the highlight bar positioned at the top of the new screen. Each screen in the editing window displays up to 15 events.

PG UP: Moves to the previous 15 events of the schedule, with the highlight bar positioned at the top of the new screen.

ESC: The escape key is context-sensitive.

- While an editing command is pending, ESC cancels the command.
- While a help screen is displayed, ESC returns to the main editing screen.
- From the main editing screen, ESC exits the program, offering you the opportunity to save or discard changes.

HOME: Zooms to the very first event in the schedule. The highlight bar is moved to the top of the editing window and placed over the first event in the schedule.

END: Zooms to the very last event in the schedule. The highlight bar is moved to the bottom of the editing window and is placed over the last event in the schedule.

⇥ (Tab): Zoom to the top of the next hour

SHIFT ⇥ (Shift+Tab): Zoom to the top of the previous hour

CTRL PG DN: Moves to the next scheduling error in the schedule.

CTRL PG UP: Moves to the previous scheduling error in the schedule.

> ***Note:*** If there is no error, the schedule will not move and a "no error" message will be displayed.

Utilities for the UDS II—UDS II Schedule Editor; Keyboard Commands, continued

F2: This key serves two purposes in the UDS II Editor:

- Action key —Pressing F2 either causes a command to take effect or confirms you want an action to take place.
- Save key — Pressing F2 saves the PLAYLIST.SS file in its currently edited form to disk.

IMPORTANT! All editing occurs in memory, so if power is lost in the middle of an editing session, any changes made to the schedule since you last saved will be lost. This is an excellent reason to save often during the editing session. F2 acts as a "safety save" feature, ensuring that any changes made thus far will be written to disk.

F10: After pressing ESC to exit the UDS II Editor, pressing this key discards any changes made to the PLAYLIST.SS file since the last Save command.

Editing Commands

The second F1 Help Screen displays a list of the Editing commands. A detailed discussion of each command can be found on the pages that follow.

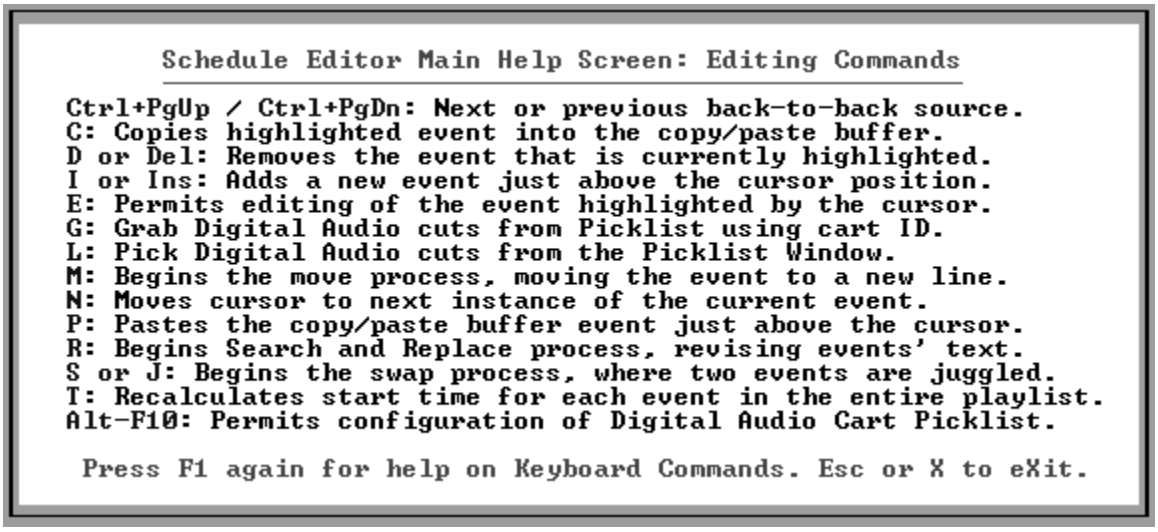

Schedule Editor Main Help Screen: Editing Commands
Ctrl+PgUp / Ctrl+PgDn: Next or previous back-to-back source.
C: Copies highlighted event into the copy/paste buffer.
D or Del: Removes the event that is currently highlighted.
I or Ins: Adds a new event just above the cursor position.
E: Permits editing of the event highlighted by the cursor.
G: Grab Digital Audio cuts from Picklist using cart ID.
L: Pick Digital Audio cuts from the Picklist Window.
M: Begins the move process, moving the event to a new line.
N: Moves cursor to next instance of the current event.
P: Pastes the copy/paste buffer event just above the cursor.
R: Begins Search and Replace process, revising events' text.
S or J: Begins the swap process, where two events are juggled.
T: Recalculates start time for each event in the entire playlist.
Alt-F10: Permits configuration of Digital Audio Cart Picklist.
Press F1 again for help on Keyboard Commands. Esc or X to eXit.

Figure 3-42 Schedule Editor Main Help Screen: Editing Commands

Utilities for the UDS II—UDS II Schedule Editor, continued

Event Entry Fields

When editing, inserting or pasting events into the schedule, you may revise or enter information in six of the seven event entry fields. These fields discussed below in the order in which they are displayed, from left to right:

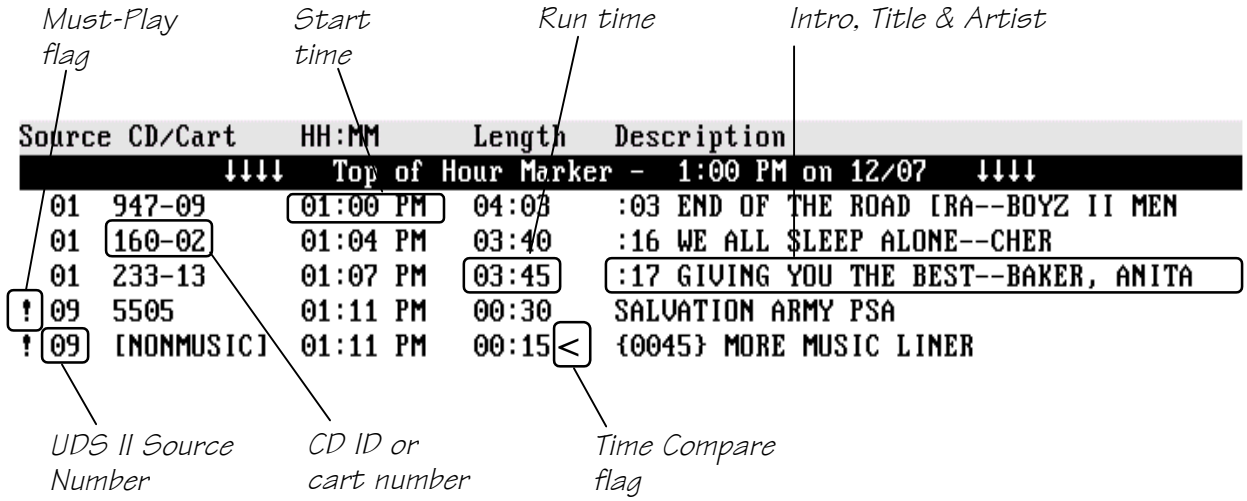

Must-Play flag
Start time
Run time
Intro, Title & Artist
Source CD/Cart HH:MM Length Description
↓↓↓↓ Top of Hour Marker - 1:00 PM on 12/07 ↓↓↓↓
01 947-09 01:00 PM 04:03 :03 END OF THE ROAD [RA--BOYZ II MEN
01 160-02 01:04 PM 03:40 :16 WE ALL SLEEP ALONE--CHER
01 233-13 01:07 PM 03:45 :17 GIVING YOU THE BEST--BAKER, ANITA
! 09 5505 01:11 PM 00:30 SALVATION ARMY PSA
! 09 [NONMUSIC] 01:11 PM 00:15 < {0045} MORE MUSIC LINER
UDS II Source Number
CD ID or cart number
Time Compare flag

Figure 3-43 Event Entry Fields

1. **Must-Play flag—**You may instruct the UDS II that the event is "mandatory" and *must* play and cannot be dropped even if a Time Update 81 (non-destructive) command is pending. To flag the event as must-play, type an exclamation point (!) in this column.

   All events, "mandatory" or not, will de dropped by the Time Update 82, 83, or 90 commands. This must-play flag affects *only* the Time Update 81 command.

   Unless special breaknote codes are used, digital audio events scheduled via breaknotes (including events merged from your traffic log) are *automatically* defined as must-play by the UDS II Merge utility. Events added in the UDS II Editor are *not* automatically defined as must-play. It is your responsibility to make sure these events are defined as must-play.

2. **Source**—The UDS II source number must appear here. Any source from 01 through 79 will be accepted. Sources 80 through 98 are reserved for special UDS II functions and features. CD player source numbers begin with source 01 and run consecutively for each player attached to the UDS II.

***Note*:** Source 09 is usually used for the digital audio playback device and source 10 is usually the 'live' source.

Utilities for the UDS II—UDS II Schedule Editor; Event Entry Fields, continued

3. **CD/Cart**—Up to 10 characters may be entered here. The characters are used by UDS II to specify a disc and track number, separated by a dash, or the characters corresponding to a digital audio event. You are responsible for ensuring the accuracy of this entry.

   - CD/Cart entries for *songs on compact dis*c may be any length, up to ten characters, but the CD Identifier *must* exactly match the way that song is entered in the UDS II music library. There is generally no need to zero-pad the *disc* identifier, but the *track* number must be padded with a zero to be two digits.

     Typical CD/Cart entries for songs on compact disc include:

     ```
     9310-04   423-01    REBA-19   027A-20   AC-14     1-01
     ```

   - CD/Cart entries for *songs on UDS-HD music on hard-drive* must be exactly four characters long followed by a "track" number of 00.

     Typical CD/Cart entries for songs on UDS-HD music on hard-drive include:

     ```
     9310-00   0423-00   REBA-00   027A-00   AC14-00   0101-00
     ```

   - CD/Cart entries for *non-music digital audio events* must be exactly four characters long. Non-music digital audio events should not have a "track" number suffix.

     Typical CD/Cart entries for non-music digital audio events include:

     ```
     9301      0423      REBA      027A      AC14      0101
     ```

4. **HH:MM** (scheduled start time)—When you paste, swap, insert, or edit an event, the time of the preceding event is copied to the pasted, swapped, inserted, or edited event..

   ***Note*:** You *cannot* directly edit the scheduled start time. Use the Time Recalculate command described on page 3-173 to automatically recalculate scheduled start times

5. **Length** (approximate run time)—Set the duration of the event here, in minutes and seconds.

   The Editor uses this length to re-calculate scheduled start times when the Time Recalculate feature is used or the schedule is saved to disk.

   Note: Setting a time here will *not* make the system segue by itself at the end of the elapsed run time, even in AutoSegue mode. If this is the behavior you desire, you must also set the time-compare flag (<) described on the next page.

Utilities for the UDS II—UDS II Schedule Editor; Event Entry Fields, continued

6. **Time-Compare flag**—This single character column is located immediately to the right of the Length field. The only character that can be placed in this column is the less-than symbol (<). The '< ' instructs the UDS II to segue after the amount of time specified in the Length field. This overrides any index information stored on the CD. However, the time-compare flag *does not* override the auxiliary mark or contact-closure from a non-music event. Do *not* use this flag with digital audio events.

7. **Description**—This field normally contains the name of the event for non-music digital audio events, scheduled times for time update commands, ranges for spot catchers, or the intro, title, and artist for songs. For other non-music events, you can place any text you wish (or none at all) in this column.

   - For songs, UDS II displays the title and artist stored in the UDS II music library both in the schedule and on the UDS II display.
   - For non-music digital audio events, this text will appear in the UDS II schedule by the event until the event moves to the Ready to Air window on the UDS II main screen. At that time, non-music digital audio events display the name of the cart as stored on the digital audio playback device.
   - For system commands, time updates, and spot catchers, the initial codes of this text will be used to set the start times for the commands and the text description will appear on the main screen of the UDS II.
   - For events other than digital audio and songs on compact disc, this text will appear with the event in the UDS II schedule and on the UDS II display when the event airs.

Utilities for the UDS II—UDS II Schedule Editor, continued

C—Copy

The Copy feature of the UDS II Schedule Editor copies the highlighted event to a special *buffer,* or storage area, so you may insert one or more duplicates of the event elsewhere in the schedule. This allows you to quickly fill in short commercial breaks or add a new event to the schedule many times with a minimum of effort.

1. Use the ↑ and ↓ keys to move the highlight bar to the event you wish to copy to the Copy/Paste buffer.

   For example, if you want to copy the morning show promo announcing a live on-air appearance by Billy Joel, use the ↑ and ↓ keys to find that event in the schedule.

2. Press C to copy the highlighted event to the Copy/Paste buffer.

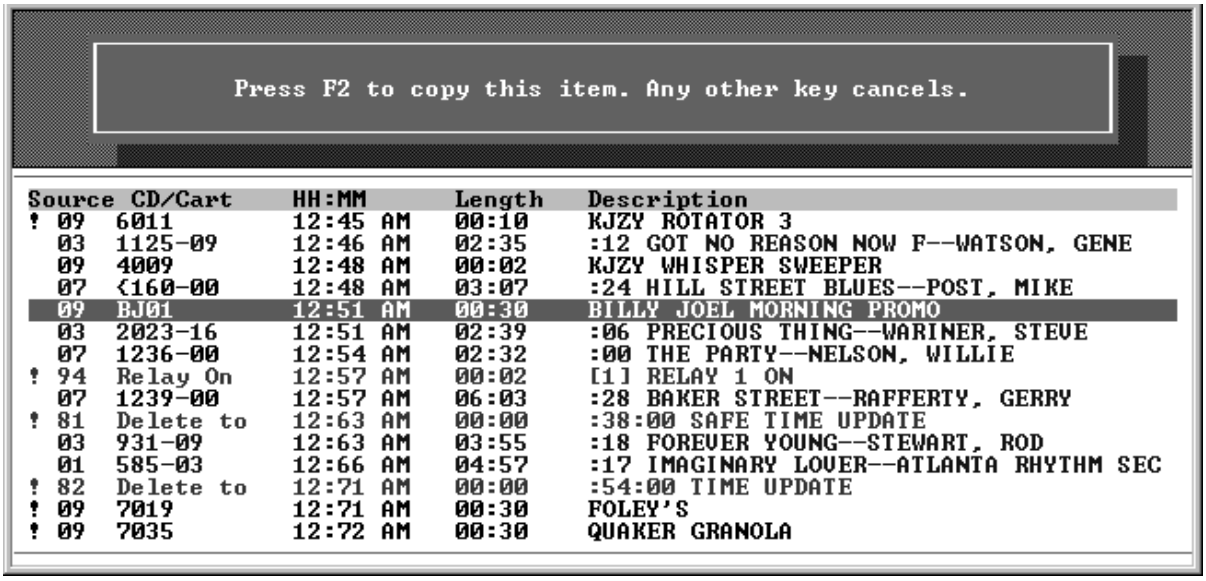

Press F2 to copy this item. Any other key cancels.
Source CD/Cart HH:MM Length Description
! 09 6011 12:45 AM 00:10 KJZY ROTATOR 3
03 1125-09 12:46 AM 02:35 :12 GOT NO REASON NOW F--WATSON, GENE
09 4009 12:48 AM 00:02 KJZY WHISPER SWEEPER
07 <160-00 12:48 AM 03:07 :24 HILL STREET BLUES--POST, MIKE
09 BJ01 12:51 AM 00:30 BILLY JOEL MORNING PROMO
03 2023-16 12:51 AM 02:39 :06 PRECIOUS THING--WARINER, STEVE
07 1236-00 12:54 AM 02:32 :00 THE PARTY--NELSON, WILLIE
! 94 Relay On 12:57 AM 00:02 [1] RELAY 1 ON
07 1239-00 12:57 AM 06:03 :28 BAKER STREET--RAFFERTY, GERRY
! 81 Delete to 12:63 AM 00:00 :38:00 SAFE TIME UPDATE
03 931-09 12:63 AM 03:55 :18 FOREVER YOUNG--STEWART, ROD
01 585-03 12:66 AM 04:57 :17 IMAGINARY LOVER--ATLANTA RHYTHM SEC
! 82 Delete to 12:71 AM 00:00 :54:00 TIME UPDATE
! 09 7019 12:71 AM 00:30 FOLEY'S
! 09 7035 12:72 AM 00:30 QUAKER GRANOLA

Figure 3-44 UDS II Schedule Editor Copy Example

3. The UDS II Editor displays a green window at the top of the editing screen with the following message:

   ```
   Press F2 to copy this item. Any other key cancels.
   ```

4. Press the F2 key to confirm the Copy command. Pressing any other key cancels the Copy command.

The highlighted event has now been copied to the Copy/Paste buffer. This copied event may be inserted into the schedule using the Paste command, which is explained on the next page.

Utilities for the UDS II—UDS II Schedule Editor, continued

P—Paste

The Paste feature of the UDS II Schedule Editor pastes the event stored in the Copy/Paste buffer (the event you copied using the Copy command, as described on the previous page) into the schedule. The pasted event is inserted just before the currently highlighted item. This allows you to quickly fill in short commercial breaks or add a new event to the schedule many times with a minimum of effort.

IMPORTANT! You *must* copy an event to a special storage area in the computer's memory, the Copy/Paste buffer, using the Copy command before the Paste command will function.

1. Use the ↑ and ↓ keys to move the highlight bar to the location where you wish to paste the new event.

   For example, if you wish to insert the morning show promo announcing an appearance by Billy Joel (the one you copied in the Copy feature examples) just before the 11:33 p.m. "Bank One" spot, use the ↑ and ↓ keys to highlight that event in the schedule.

2. Press P to paste the event stored in the Copy/Paste buffer into the schedule, just before the highlighted event.

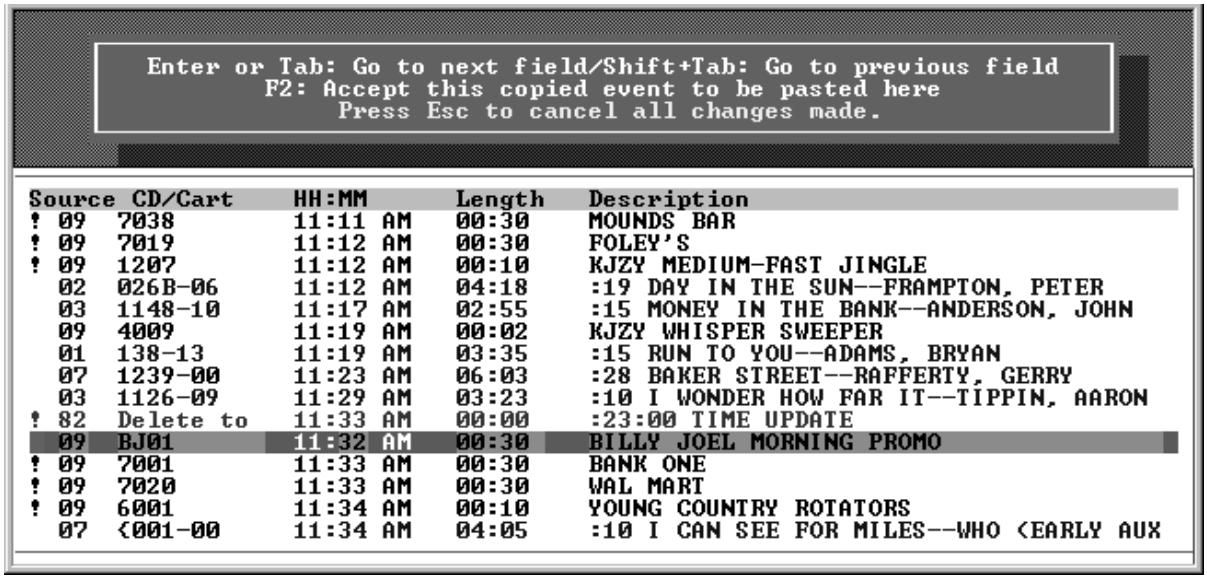

Enter or Tab: Go to next field/Shift+Tab: Go to previous field
F2: Accept this copied event to be pasted here
Press Esc to cancel all changes made.
Source CD/Cart HH:MM Length Description
! 09 7038 11:11 AM 00:30 MOUNDS BAR
! 09 7019 11:12 AM 00:30 FOLEY'S
! 09 1207 11:12 AM 00:10 KJZY MEDIUM-FAST JINGLE
02 026B-06 11:12 AM 04:18 :19 DAY IN THE SUN--FRAMPTON, PETER
03 1148-10 11:17 AM 02:55 :15 MONEY IN THE BANK--ANDERSON, JOHN
09 4009 11:19 AM 00:02 KJZY WHISPER SWEEPER
01 138-13 11:19 AM 03:35 :15 RUN TO YOU--ADAMS, BRYAN
07 1239-00 11:23 AM 06:03 :28 BAKER STREET--RAFFERTY, GERRY
03 1126-09 11:29 AM 03:23 :10 I WONDER HOW FAR IT--TIPPIN, AARON
! 82 Delete to 11:33 AM 00:00 :23:00 TIME UPDATE
09 BJ01 11:32 AM 00:30 BILLY JOEL MORNING PROMO
! 09 7001 11:33 AM 00:30 BANK ONE
! 09 7020 11:33 AM 00:30 WAL MART
! 09 6001 11:34 AM 00:10 YOUNG COUNTRY ROTATORS
07 <001-00 11:34 AM 04:05 :10 I CAN SEE FOR MILES--WHO <EARLY AUX

Figure 3-45 UDS II Schedule Editor Paste Example

3. Press F2 to accept the pasted event. The pasted event is given a new start time based on its location in the schedule.

   Press ESC to cancel should you decide not to paste this item in this location.

Utilities for the UDS II—UDS II Schedule Editor, continued

D or DEL —Delete

The Delete feature of the UDS II Schedule Editor removes the highlighted event from the schedule. This command allows you to rapidly remove unnecessary promos or canceled spots from a merged schedule or to remove excess events from a heavily over-scheduled hour.

***Note*:** The DEL key is often labeled "Delete" on one key and "Del" on another on the same keyboard. Both are "delete" keys. On some keyboards, the DEL key may not function if "Num Lock" is enabled and you are using the numeric keypad.

1. Use the ↑ and ↓ keys to move the highlight bar to the event you wish to delete.

   For example, if you wish to delete the promo for the morning zoo's daily top-five list, use the ↑ and ↓ keys to find that event in the schedule.

2. Press D or DEL to delete the highlighted event from the schedule.

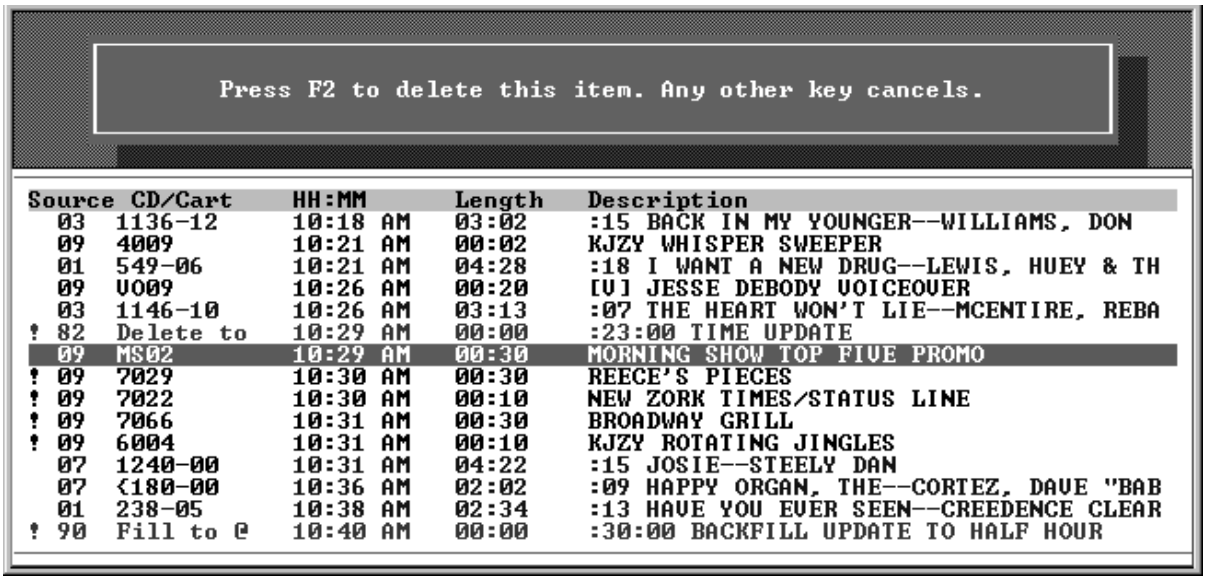

Press F2 to delete this item. Any other key cancels.
Source CD/Cart HH:MM Length Description
03 1136-12 10:18 AM 03:02 :15 BACK IN MY YOUNGER--WILLIAMS, DON
09 4009 10:21 AM 00:02 KJZY WHISPER SWEEPER
01 549-06 10:21 AM 04:28 :18 I WANT A NEW DRUG--LEWIS, HUEY & TH
09 VO09 10:26 AM 00:20 [V] JESSE DEBODY VOICEOVER
03 1146-10 10:26 AM 03:13 :07 THE HEART WON'T LIE--MCENTIRE, REBA
! 82 Delete to 10:29 AM 00:00 :23:00 TIME UPDATE
09 MS02 10:29 AM 00:30 MORNING SHOW TOP FIVE PROMO
! 09 7029 10:30 AM 00:30 REECE'S PIECES
! 09 7022 10:30 AM 00:10 NEW ZORK TIMES/STATUS LINE
! 09 7066 10:31 AM 00:30 BROADWAY GRILL
! 09 6004 10:31 AM 00:10 KJZY ROTATING JINGLES
07 1240-00 10:31 AM 04:22 :15 JOSIE--STEELY DAN
07 <180-00 10:36 AM 02:02 :09 HAPPY ORGAN, THE--CORTEZ, DAVE "BAB
01 238-05 10:38 AM 02:34 :13 HAVE YOU EVER SEEN--CREEDENCE CLEAR
! 90 Fill to @ 10:40 AM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR

Figure 3-46 UDS II Schedule Editor Delete Example

3. The UDS II Editor displays a green window at the top of the screen with this message:

   `Press F2 to delete this item. Any other key cancels.`

4. Press the F2 key to confirm the Delete command. Pressing any other key cancels.

The highlighted event has now been removed from the schedule.

📖 You may configure the Utilities so that you need not press F2 to confirm the deletion. See *Configuring the Utilities for the UDS II* on page 3-71 for more details.

Utilities for the UDS II—UDS II Schedule Editor, continued

I or INS —Insert

The Insert feature of the UDS II Schedule Editor allows you to add events at any point in the schedule to help fill out an under-scheduled hour or short commercial break.

Each newly inserted event is an "empty event," requiring that you type all of the relevant information about the event into the entry fields.

Important: You are responsible for the accuracy of the data. Since the UDS II Editor cannot check with your traffic or music storage systems, it cannot confirm that a requested digital audio cart is available or that the requested song is on the disc and track you enter.

📖 For more information on the event entry fields, see the *Event Entry Fields* section on page 3-143 of this chapter.

To insert an event, follow the steps below:

1. Use the ↑ and ↓ keys to move the highlight bar to the location where you wish to insert a new event.

   For example, if you wish to insert a promo for your morning show at the start of the 9:23 p.m. stop set, use the ↑ and ↓ keys to position the highlight bar on the first event in the stop set after the time update command.

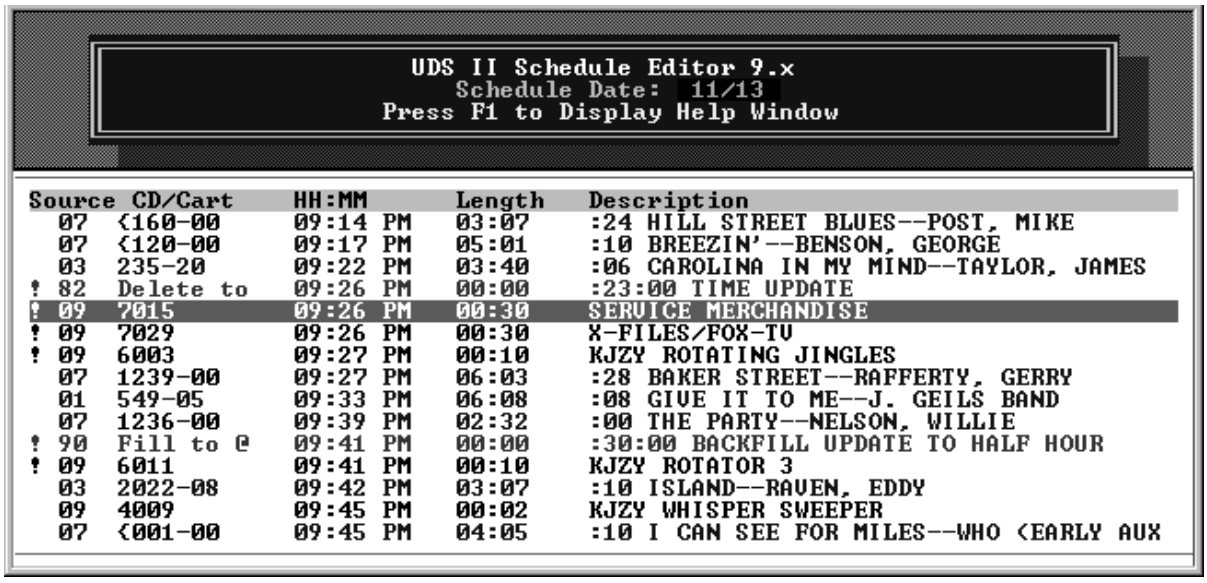

UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
07 <160-00 09:14 PM 03:07 :24 HILL STREET BLUES--POST, MIKE
07 <120-00 09:17 PM 05:01 :10 BREEZIN'--BENSON, GEORGE
03 235-20 09:22 PM 03:40 :06 CAROLINA IN MY MIND--TAYLOR, JAMES
! 82 Delete to 09:26 PM 00:00 :23:00 TIME UPDATE
! 09 7015 09:26 PM 00:30 SERVICE MERCHANDISE
! 09 7029 09:26 PM 00:30 X-FILES/FOX-TV
! 09 6003 09:27 PM 00:10 KJZY ROTATING JINGLES
07 1239-00 09:27 PM 06:03 :28 BAKER STREET--RAFFERTY, GERRY
01 549-05 09:33 PM 06:08 :08 GIVE IT TO ME--J. GEILS BAND
07 1236-00 09:39 PM 02:32 :00 THE PARTY--NELSON, WILLIE
! 90 Fill to @ 09:41 PM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR
! 09 6011 09:41 PM 00:10 KJZY ROTATOR 3
03 2022-08 09:42 PM 03:07 :10 ISLAND--RAVEN, EDDY
09 4009 09:45 PM 00:02 KJZY WHISPER SWEEPER
07 <001-00 09:45 PM 04:05 :10 I CAN SEE FOR MILES--WHO <EARLY AUX

Figure 3-47 UDS II Schedule Editor Insert Example— Pre-Insertion

Utilities for the UDS II—UDS II Schedule Editor; Insert, continued

2. Press [I] or [INS] to insert a new event. A blank line appears in the schedule just before the previously highlighted event.

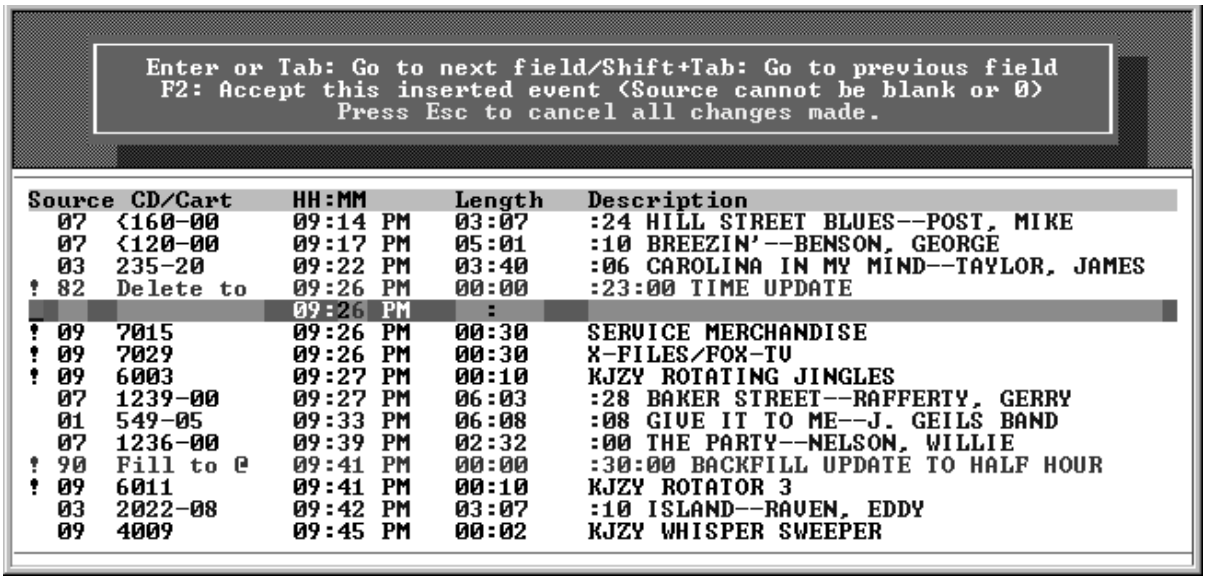

Enter or Tab: Go to next field/Shift+Tab: Go to previous field
F2: Accept this inserted event (Source cannot be blank or 0)
Press Esc to cancel all changes made.
Source CD/Cart HH:MM Length Description
07 (160-00 09:14 PM 03:07 :24 HILL STREET BLUES--POST, MIKE
07 (120-00 09:17 PM 05:01 :10 BREEZIN'--BENSON, GEORGE
03 235-20 09:22 PM 03:40 :06 CAROLINA IN MY MIND--TAYLOR, JAMES
! 82 Delete to 09:26 PM 00:00 :23:00 TIME UPDATE
09:26 PM :
! 09 7015 09:26 PM 00:30 SERVICE MERCHANDISE
! 09 7029 09:26 PM 00:30 X-FILES/FOX-TV
! 09 6003 09:27 PM 00:10 KJZY ROTATING JINGLES
07 1239-00 09:27 PM 06:03 :28 BAKER STREET--RAFFERTY, GERRY
01 549-05 09:33 PM 06:08 :08 GIVE IT TO ME--J. GEILS BAND
07 1236-00 09:39 PM 02:32 :00 THE PARTY--NELSON, WILLIE
! 90 Fill to @ 09:41 PM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR
! 09 6011 09:41 PM 00:10 KJZY ROTATOR 3
03 2022-08 09:42 PM 03:07 :10 ISLAND--RAVEN, EDDY
09 4009 09:45 PM 00:02 KJZY WHISPER SWEEPER

Figure 3-48 UDS II Schedule Editor Insert Example— Mid-Insertion

3. Type the information for the new event in the entry fields.

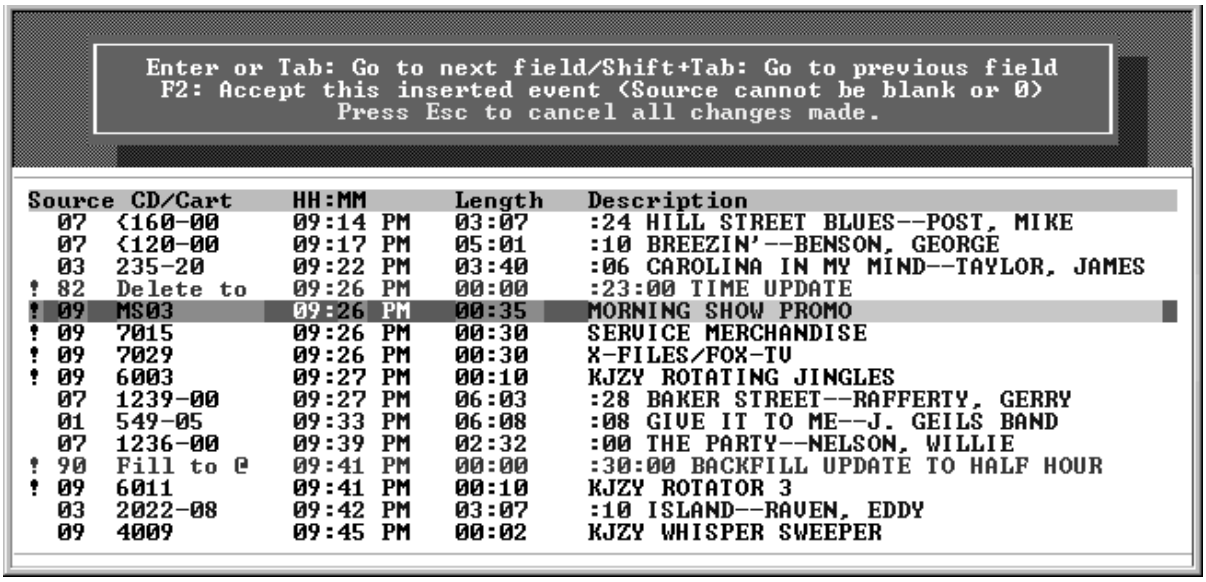

Enter or Tab: Go to next field/Shift+Tab: Go to previous field
F2: Accept this inserted event (Source cannot be blank or 0)
Press Esc to cancel all changes made.
Source CD/Cart HH:MM Length Description
07 (160-00 09:14 PM 03:07 :24 HILL STREET BLUES--POST, MIKE
07 (120-00 09:17 PM 05:01 :10 BREEZIN'--BENSON, GEORGE
03 235-20 09:22 PM 03:40 :06 CAROLINA IN MY MIND--TAYLOR, JAMES
! 82 Delete to 09:26 PM 00:00 :23:00 TIME UPDATE
! 09 MS03 09:26 PM 00:35 MORNING SHOW PROMO
! 09 7015 09:26 PM 00:30 SERVICE MERCHANDISE
! 09 7029 09:26 PM 00:30 X-FILES/FOX-TV
! 09 6003 09:27 PM 00:10 KJZY ROTATING JINGLES
07 1239-00 09:27 PM 06:03 :28 BAKER STREET--RAFFERTY, GERRY
01 549-05 09:33 PM 06:08 :08 GIVE IT TO ME--J. GEILS BAND
07 1236-00 09:39 PM 02:32 :00 THE PARTY--NELSON, WILLIE
! 90 Fill to @ 09:41 PM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR
! 09 6011 09:41 PM 00:10 KJZY ROTATOR 3
03 2022-08 09:42 PM 03:07 :10 ISLAND--RAVEN, EDDY
09 4009 09:45 PM 00:02 KJZY WHISPER SWEEPER

Figure 3-49 UDS II Schedule Editor Insert Example— Event Information Entry

Utilities for the UDS II—UDS II Schedule Editor; Insert, continued

In this example, type the following information in the entry fields:

- In the Must-Play flag field, type [!] to let UDS II know that this event may not be dropped by the Time Update 81 feature.
- In the Source field, type [0][9] to let UDS II know that this event is played from source 09, usually configured as the primary non-music digital audio hard-drive source.
- In the CD/Cart number field, type [M][S][0][3][ENTER] to let UDS II know that this event is digital audio cart number MS03.
- In the Start Time column, press [ENTER] to skip this field. The start time is calculated from the new event's place in the schedule.
- In the Length field, type [0][0][3][5] to let the UDS II Editor know that the event is about thirty-five seconds (00:35) long.
- In the Time-Compare field, press [ENTER] to skip this field. The exact run time is read from the cart.
- In the Description field, type

  [M][O][R][N][I][N][G][SPACE][S][H][O][W][SPACE][P][R][O][M][O]

  to describe the new event in the UDS II Editor and on the UDS II itself.

📖 For details on the entry fields available when editing, see *Event Entry Fields* on page 3-143.

4. Press [F2] to accept the inserted event.

   Pressing [ESC] cancels the insertion and keeps the schedule in its original state.

The new event has now been inserted into the schedule.

Utilities for the UDS II—UDS II Schedule Editor, continued

E—Edit

The Edit feature of the UDS II Schedule Editor allows you to update any of the highlighted event's entry fields. You may change an event's source number, cart number, description or approximate run time. You may also flag an event as time-compare or must-play.

> ***Note*:** The Edit command changes only this instance of the event in the schedule. To change multiple instances of an event, use the Revise command described on page 3-166.

To use the Edit feature, follow the steps outlined below:

1. Use the ↑ and ↓ keys to move the highlight bar to the event you wish to edit.

   For example, if you wish to change the approximate run time of the news at 8:00 a.m. from two minutes to ninety seconds, use the ↑ and ↓ keys to highlight that event.

2. Press E to edit the highlighted event.

3. Type the new information for the event in the entry fields.

   In this example, press ⇆ (Tab) four times to move the cursor to the Length field. Type 0 1 3 0 to change the time from two minutes to one minute and thirty seconds.

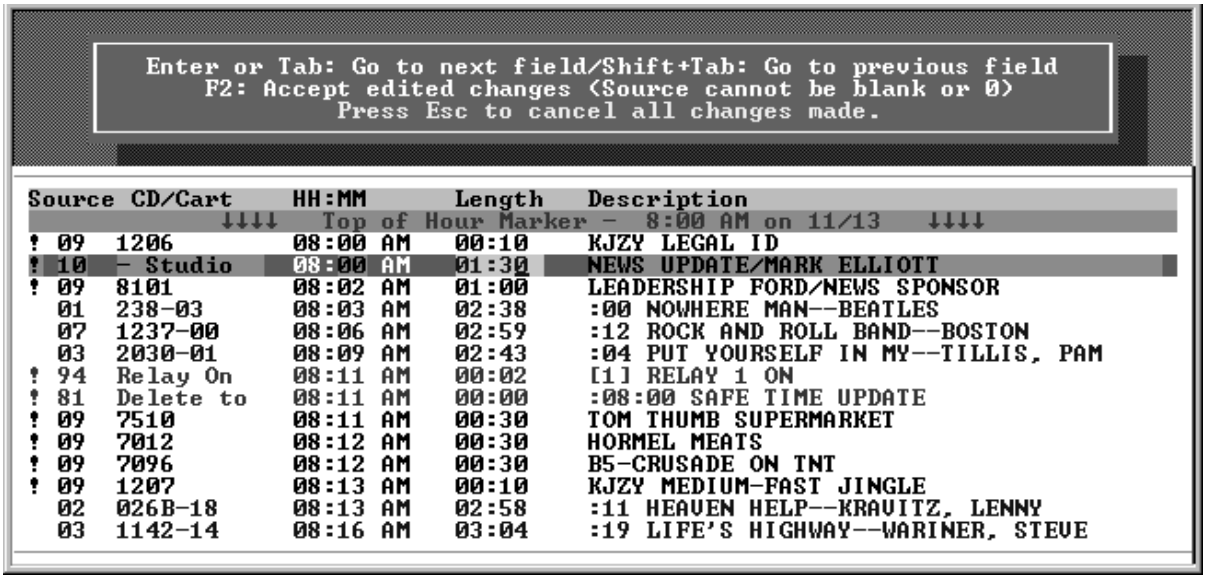

Enter or Tab: Go to next field/Shift+Tab: Go to previous field
F2: Accept edited changes (Source cannot be blank or 0)
Press Esc to cancel all changes made.
Source CD/Cart HH:MM Length Description
↓↓↓↓ Top of Hour Marker - 8:00 AM on 11/13 ↓↓↓↓
! 09 1206 08:00 AM 00:10 KJZY LEGAL ID
! 10 - Studio 08:00 AM 01:30 NEWS UPDATE/MARK ELLIOTT
! 09 8101 08:02 AM 01:00 LEADERSHIP FORD/NEWS SPONSOR
01 238-03 08:03 AM 02:38 :00 NOWHERE MAN--BEATLES
07 1237-00 08:06 AM 02:59 :12 ROCK AND ROLL BAND--BOSTON
03 2030-01 08:09 AM 02:43 :04 PUT YOURSELF IN MY--TILLIS, PAM
! 94 Relay On 08:11 AM 00:02 [1] RELAY 1 ON
! 81 Delete to 08:11 AM 00:00 :08:00 SAFE TIME UPDATE
! 09 7510 08:11 AM 00:30 TOM THUMB SUPERMARKET
! 09 7012 08:12 AM 00:30 HORMEL MEATS
! 09 7096 08:12 AM 00:30 B5-CRUSADE ON TNT
! 09 1207 08:13 AM 00:10 KJZY MEDIUM-FAST JINGLE
02 026B-18 08:13 AM 02:58 :11 HEAVEN HELP--KRAVITZ, LENNY
03 1142-14 08:16 AM 03:04 :19 LIFE'S HIGHWAY--WARINER, STEVE

Figure 3-50 UDS II Schedule Editor Edit Example

4. Pressing F2 saves any changes to the event. Pressing ESC aborts the change and returns the event to its original state.

📖 For details on all the fields you may edit, see *Event Entry Fields* starting on page 3-143.

Utilities for the UDS II—UDS II Schedule Editor, continued

G—Grab

The Grab feature of the UDS II Schedule Editor "grabs" a digital audio event from a pre-defined list of carts. This command allows you to choose frequently used "fill" carts without the need to retype the information for each event. These carts may be grabbed by cart number or directly from the pick list. Grab inserts this new event immediately before the highlighted event.

IMPORTANT! You must first configure this pick list using the ALT F10 command described starting on page 3-175. The Grab feature will not work until this pick list has been created.

➪ To grab an event on the pick list *whose cart number you know*, follow these steps:

***Note*:** If no item in the pick list matches the cart number you enter, the UDS II Editor displays a warning message and takes no action.

1. Use the ↑ and ↓ keys to move the highlight bar to the location for the new event.

   For example, you want to insert a Red Cross PSA (which you know from frequent usage is on cart number 9801) as the last event in the 9:23 a.m. stop set, just before the KJZY Rotating Jingle.

   To grab this event, use the ↑ and ↓ keys to highlight the KJZY Rotating Jingle.

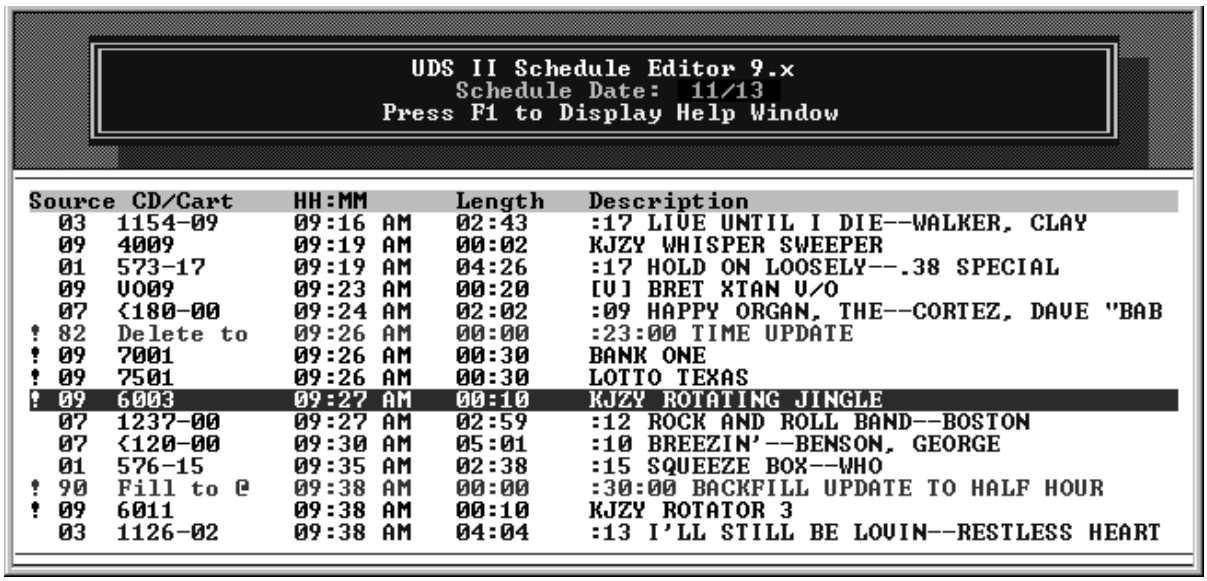

UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
03 1154-09 09:16 AM 02:43 :17 LIVE UNTIL I DIE--WALKER, CLAY
09 4009 09:19 AM 00:02 KJZY WHISPER SWEEPER
01 573-17 09:19 AM 04:26 :17 HOLD ON LOOSELY--.38 SPECIAL
09 V009 09:23 AM 00:20 [V] BRET XTAN V/O
07 <180-00 09:24 AM 02:02 :09 HAPPY ORGAN, THE--CORTEZ, DAVE "BAB
! 82 Delete to 09:26 AM 00:00 :23:00 TIME UPDATE
! 09 7001 09:26 AM 00:30 BANK ONE
! 09 7501 09:26 AM 00:30 LOTTO TEXAS
! 09 6003 09:27 AM 00:10 KJZY ROTATING JINGLE
07 1237-00 09:27 AM 02:59 :12 ROCK AND ROLL BAND--BOSTON
07 <120-00 09:30 AM 05:01 :10 BREEZIN'--BENSON, GEORGE
01 576-15 09:35 AM 02:38 :15 SQUEEZE BOX--WHO
! 90 Fill to @ 09:38 AM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR
! 09 6011 09:38 AM 00:10 KJZY ROTATOR 3
03 1126-02 09:38 AM 04:04 :13 I'LL STILL BE LOVIN--RESTLESS HEART

Figure 3-51 UDS II Schedule Editor Grab Example— Pre-Grab

Utilities for the UDS II—UDS II Schedule Editor; Grab, continued

2. Press G to begin the Grab process. A new empty event appears just before the highlighted event, moving the rest of the schedule down one event.

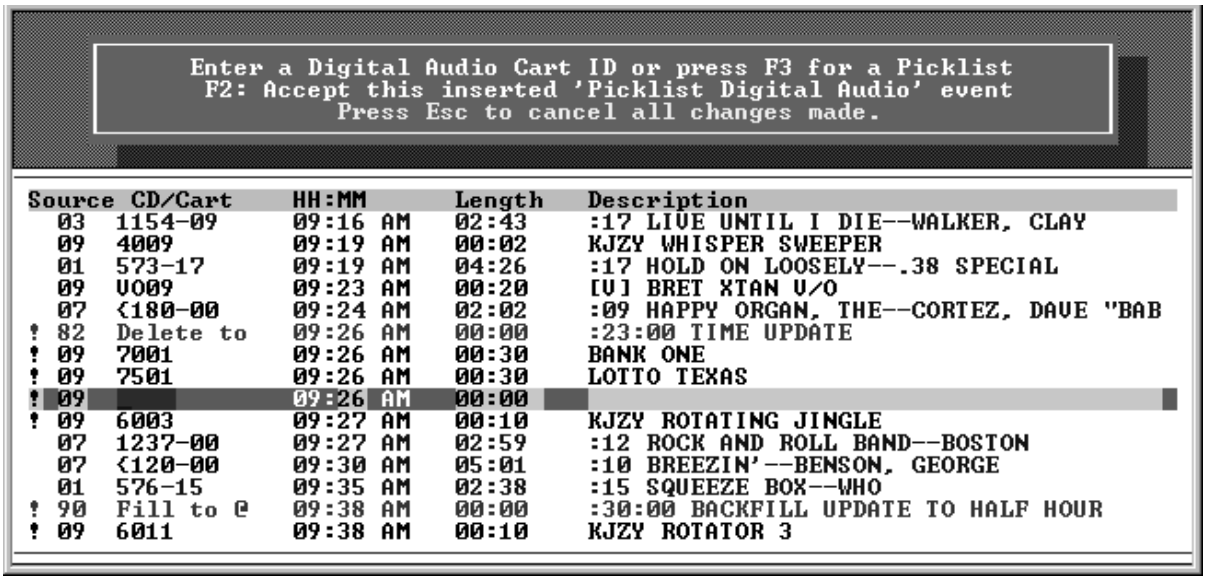

Enter a Digital Audio Cart ID or press F3 for a Picklist
F2: Accept this inserted 'Picklist Digital Audio' event
Press Esc to cancel all changes made.
Source CD/Cart HH:MM Length Description
03 1154-09 09:16 AM 02:43 :17 LIVE UNTIL I DIE--WALKER, CLAY
09 4009 09:19 AM 00:02 KJZY WHISPER SWEEPER
01 573-17 09:19 AM 04:26 :17 HOLD ON LOOSELY--.38 SPECIAL
09 V009 09:23 AM 00:20 [V] BRET XTAN V/O
07 <180-00 09:24 AM 02:02 :09 HAPPY ORGAN, THE--CORTEZ, DAVE "BAB
! 82 Delete to 09:26 AM 00:00 :23:00 TIME UPDATE
! 09 7001 09:26 AM 00:30 BANK ONE
! 09 7501 09:26 AM 00:30 LOTTO TEXAS
! 09 09:26 AM 00:00
! 09 6003 09:27 AM 00:10 KJZY ROTATING JINGLE
07 1237-00 09:27 AM 02:59 :12 ROCK AND ROLL BAND--BOSTON
07 <120-00 09:30 AM 05:01 :10 BREEZIN'--BENSON, GEORGE
01 576-15 09:35 AM 02:38 :15 SQUEEZE BOX--WHO
! 90 Fill to @ 09:38 AM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR
! 09 6011 09:38 AM 00:10 KJZY ROTATOR 3

Figure 3-52 UDS II Schedule Editor Grab Example— New Event

3. Type the four-character cart number for the pick list event you wish to insert. To abort the Grab command, press ESC before completing the cart number entry.

   For example, type 9 8 0 1 in the CD/Cart field to insert this event.

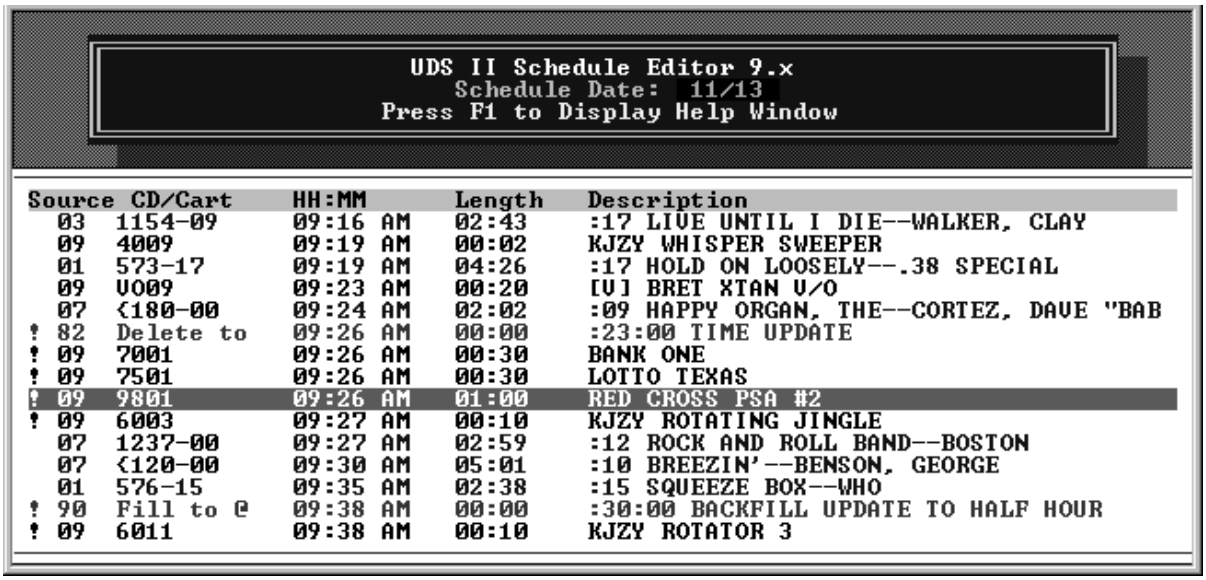

UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
03 1154-09 09:16 AM 02:43 :17 LIVE UNTIL I DIE--WALKER, CLAY
09 4009 09:19 AM 00:02 KJZY WHISPER SWEEPER
01 573-17 09:19 AM 04:26 :17 HOLD ON LOOSELY--.38 SPECIAL
09 V009 09:23 AM 00:20 [V] BRET XTAN V/O
07 <180-00 09:24 AM 02:02 :09 HAPPY ORGAN, THE--CORTEZ, DAVE "BAB
! 82 Delete to 09:26 AM 00:00 :23:00 TIME UPDATE
! 09 7001 09:26 AM 00:30 BANK ONE
! 09 7501 09:26 AM 00:30 LOTTO TEXAS
! 09 9801 09:26 AM 01:00 RED CROSS PSA #2
! 09 6003 09:27 AM 00:10 KJZY ROTATING JINGLE
07 1237-00 09:27 AM 02:59 :12 ROCK AND ROLL BAND--BOSTON
07 <120-00 09:30 AM 05:01 :10 BREEZIN'--BENSON, GEORGE
01 576-15 09:35 AM 02:38 :15 SQUEEZE BOX--WHO
! 90 Fill to @ 09:38 AM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR
! 09 6011 09:38 AM 00:10 KJZY ROTATOR 3

Figure 3-53 UDS II Schedule Editor Grab Example— Grab Completed

Utilities for the UDS II—UDS II Schedule Editor; Grab, continued

➪ To grab an event *from the pick list directly*, follow these steps:

1. Use the ↑ and ↓ keys to move the highlight bar to the location for the new event.

   For example, to insert a Boy Scout PSA as the last event in the 10:23 a.m. stop set, just before the KJZY Rotating Jingle, use the ↑ and ↓ keys to highlight the KJZY Rotating Jingles event.

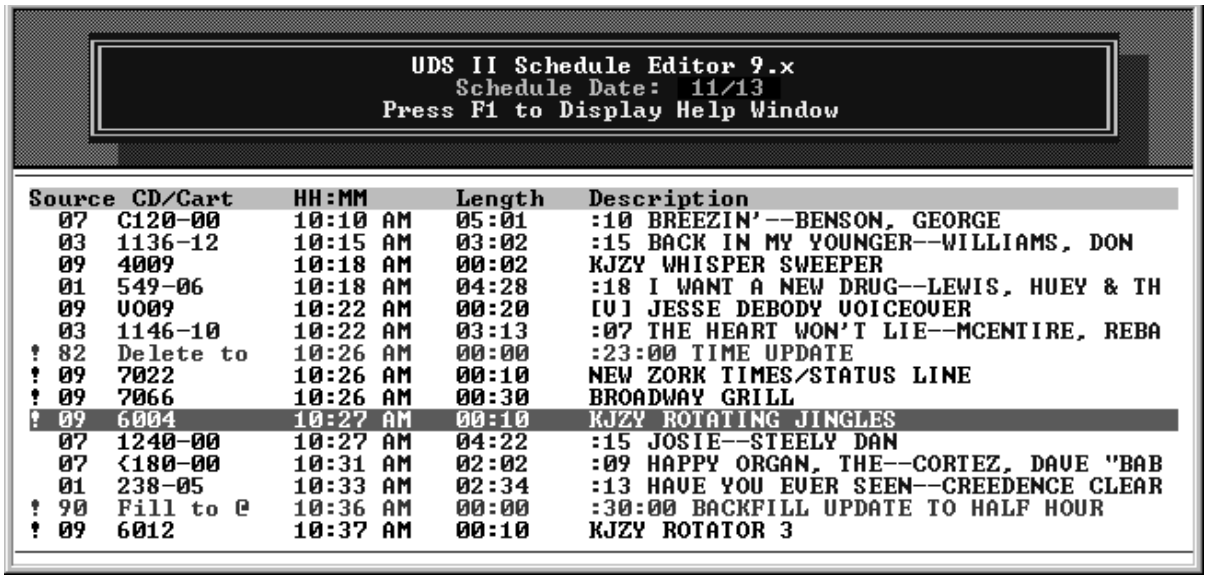

UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
07 C120-00 10:10 AM 05:01 :10 BREEZIN'--BENSON, GEORGE
03 1136-12 10:15 AM 03:02 :15 BACK IN MY YOUNGER--WILLIAMS, DON
09 4009 10:18 AM 00:02 KJZY WHISPER SWEEPER
01 549-06 10:18 AM 04:28 :18 I WANT A NEW DRUG--LEWIS, HUEY & TH
09 VO09 10:22 AM 00:20 [V] JESSE DEBODY VOICEOVER
03 1146-10 10:22 AM 03:13 :07 THE HEART WON'T LIE--MCENTIRE, REBA
! 82 Delete to 10:26 AM 00:00 :23:00 TIME UPDATE
! 09 7022 10:26 AM 00:10 NEW ZORK TIMES/STATUS LINE
! 09 7066 10:26 AM 00:30 BROADWAY GRILL
! 09 6004 10:27 AM 00:10 KJZY ROTATING JINGLES
07 1240-00 10:27 AM 04:22 :15 JOSIE--STEELY DAN
07 <180-00 10:31 AM 02:02 :09 HAPPY ORGAN, THE--CORTEZ, DAVE "BAB
01 238-05 10:33 AM 02:34 :13 HAVE YOU EVER SEEN--CREEDENCE CLEAR
! 90 Fill to @ 10:36 AM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR
! 09 6012 10:37 AM 00:10 KJZY ROTATOR 3

Figure 3-54 UDS II Schedule Editor Grab Example— Pre-Grab

Utilities for the UDS II—UDS II Schedule Editor; Grab, continued

2. Press G to begin the Grab process. A new empty event appears just before the highlighted event, moving the rest of the schedule down one event.

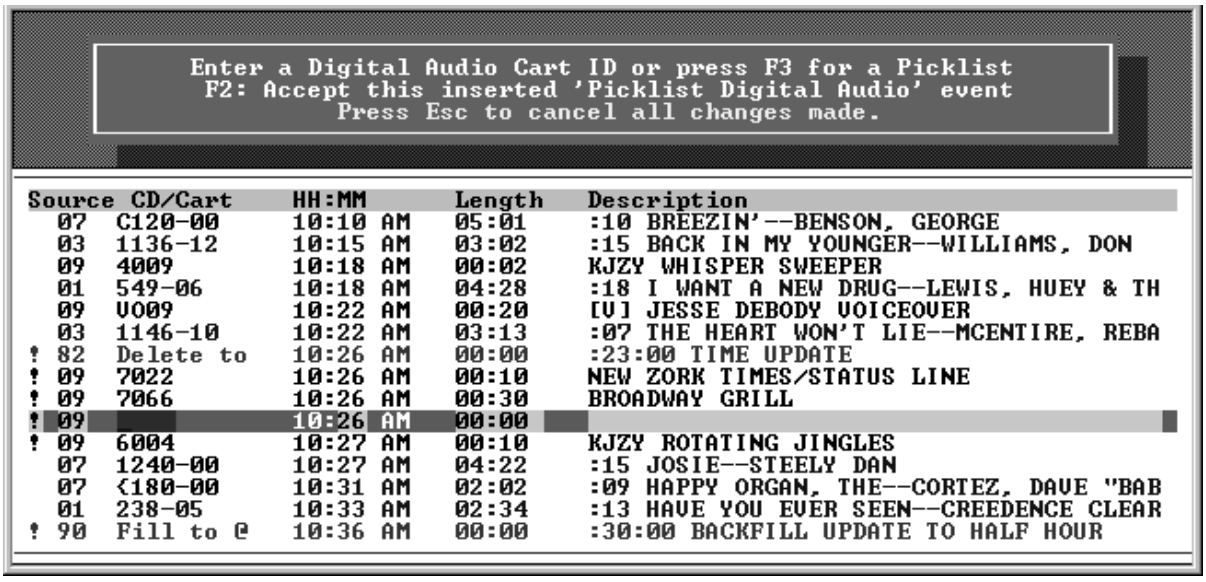

Enter a Digital Audio Cart ID or press F3 for a Picklist
F2: Accept this inserted 'Picklist Digital Audio' event
Press Esc to cancel all changes made.
Source CD/Cart HH:MM Length Description
07 C120-00 10:10 AM 05:01 :10 BREEZIN'--BENSON, GEORGE
03 1136-12 10:15 AM 03:02 :15 BACK IN MY YOUNGER--WILLIAMS, DON
09 4009 10:18 AM 00:02 KJZY WHISPER SWEEPER
01 549-06 10:18 AM 04:28 :18 I WANT A NEW DRUG--LEWIS, HUEY & TH
09 VO09 10:22 AM 00:20 [V] JESSE DEBODY VOICEOVER
03 1146-10 10:22 AM 03:13 :07 THE HEART WON'T LIE--MCENTIRE, REBA
! 82 Delete to 10:26 AM 00:00 :23:00 TIME UPDATE
! 09 7022 10:26 AM 00:10 NEW ZORK TIMES/STATUS LINE
! 09 7066 10:26 AM 00:30 BROADWAY GRILL
! 09 10:26 AM 00:00
! 09 6004 10:27 AM 00:10 KJZY ROTATING JINGLES
07 1240-00 10:27 AM 04:22 :15 JOSIE--STEELY DAN
07 <180-00 10:31 AM 02:02 :09 HAPPY ORGAN, THE--CORTEZ, DAVE "BAB
01 238-05 10:33 AM 02:34 :13 HAVE YOU EVER SEEN--CREEDENCE CLEAR
! 90 Fill to @ 10:36 AM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR

Figure 3-55 UDS II Schedule Editor Grab Example— New Event

3. Press F3 to display a pick list of available "fill" carts.

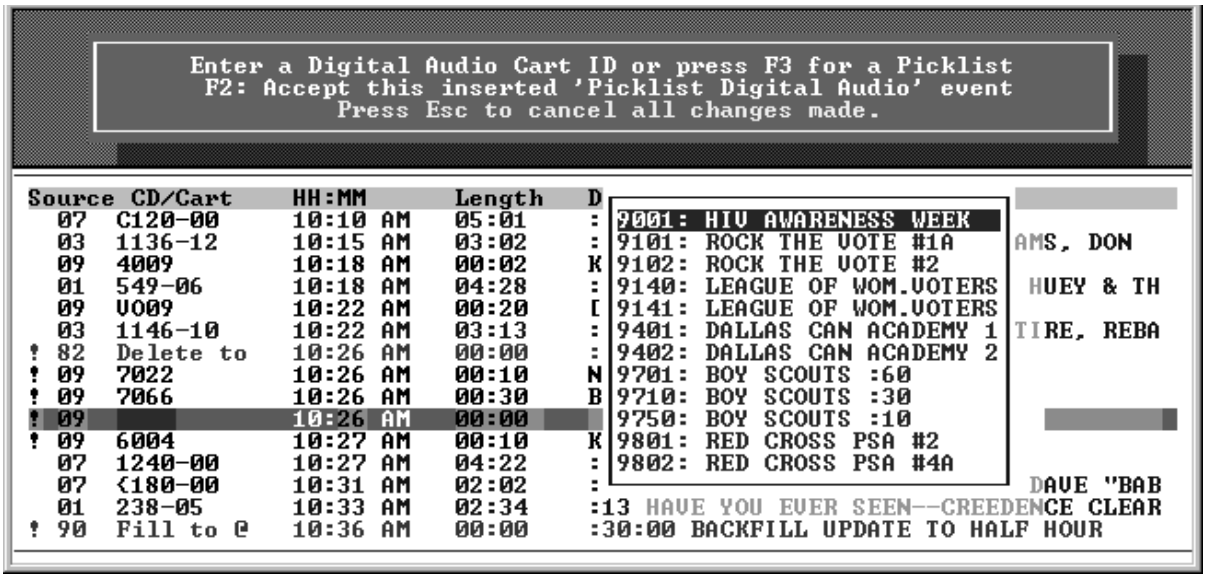

Enter a Digital Audio Cart ID or press F3 for a Picklist
F2: Accept this inserted 'Picklist Digital Audio' event
Press Esc to cancel all changes made.
Source CD/Cart HH:MM Length D
07 C120-00 10:10 AM 05:01 :
03 1136-12 10:15 AM 03:02 :
09 4009 10:18 AM 00:02 K
01 549-06 10:18 AM 04:28 :
09 VO09 10:22 AM 00:20 [
03 1146-10 10:22 AM 03:13 :
! 82 Delete to 10:26 AM 00:00 :
! 09 7022 10:26 AM 00:10 N
! 09 7066 10:26 AM 00:30 B
! 09 10:26 AM 00:00
! 09 6004 10:27 AM 00:10 K
07 1240-00 10:27 AM 04:22 :
07 <180-00 10:31 AM 02:02 :
01 238-05 10:33 AM 02:34 :13 HAVE YOU EVER SEEN--CREEDENCE CLEAR
! 90 Fill to @ 10:36 AM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR
9001: HIV AWARENESS WEEK
9101: ROCK THE VOTE #1A
9102: ROCK THE VOTE #2
9140: LEAGUE OF WOM.VOTERS
9141: LEAGUE OF WOM.VOTERS
9401: DALLAS CAN ACADEMY 1
9402: DALLAS CAN ACADEMY 2
9701: BOY SCOUTS :60
9710: BOY SCOUTS :30
9750: BOY SCOUTS :10
9801: RED CROSS PSA #2
9802: RED CROSS PSA #4A
AMS, DON
HUEY & TH
TIRE, REBA
DAVE "BAB

Figure 3-56 UDS II Schedule Editor Grab Example— Pick List, Initial

Utilities for the UDS II—UDS II Schedule Editor; Grab, continued

4. Use the ↑ and ↓ arrow keys to move the highlight bar to the "fill" cart you wish to insert.

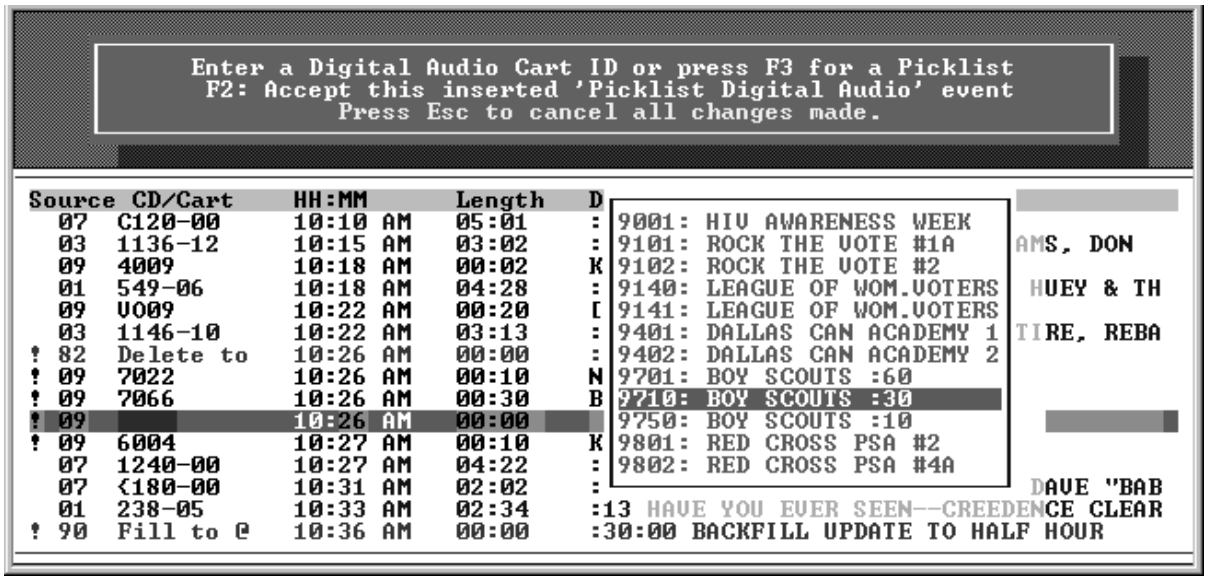

Enter a Digital Audio Cart ID or press F3 for a Picklist
F2: Accept this inserted 'Picklist Digital Audio' event
Press Esc to cancel all changes made.
Source CD/Cart HH:MM Length D
07 C120-00 10:10 AM 05:01 :
03 1136-12 10:15 AM 03:02 :
09 4009 10:18 AM 00:02 K
01 549-06 10:18 AM 04:28 :
09 V009 10:22 AM 00:20 [
03 1146-10 10:22 AM 03:13 :
! 82 Delete to 10:26 AM 00:00 :
! 09 7022 10:26 AM 00:10 N
! 09 7066 10:26 AM 00:30 B
! 09 10:26 AM 00:00
! 09 6004 10:27 AM 00:10 K
07 1240-00 10:27 AM 04:22 :
07 <180-00 10:31 AM 02:02 :
01 238-05 10:33 AM 02:34 :13 HAVE YOU EVER SEEN--CREEDENCE CLEAR
! 90 Fill to @ 10:36 AM 00:00 :30:00 BACKFILL UPDATE TO HALF HOUR
9001: HIV AWARENESS WEEK
9101: ROCK THE VOTE #1A
9102: ROCK THE VOTE #2
9140: LEAGUE OF WOM.VOTERS
9141: LEAGUE OF WOM.VOTERS
9401: DALLAS CAN ACADEMY 1
9402: DALLAS CAN ACADEMY 2
9701: BOY SCOUTS :60
9710: BOY SCOUTS :30
9750: BOY SCOUTS :10
9801: RED CROSS PSA #2
9802: RED CROSS PSA #4A
AMS, DON
HUEY & TH
TIRE, REBA
DAVE "BAB

Figure 3-57 UDS II Schedule Editor Grab Example— Pick List, Selected

5. Press ENTER to insert this event into the schedule. To abort the Grab command, press ESC before completing the insertion.

To remove a "grabbed" event (or any event in the schedule), use the Delete command described on page 3-148 or quit the UDS II Editor without saving changes.

The length and description of "grabbed" events are taken from the pick list. The source number of the primary non-music digital audio source is read from the Commercial Merge Configuration Setup.

📖 For more information on setting up the primary non-music digital audio source number, see *Configuring the Merge Program* starting on page 3-81.

Utilities for the UDS II—UDS II Schedule Editor, continued

L—List

The List feature of the UDS II Schedule Editor allows you to choose a digital audio event from a list that you create. The List command allows you to rapidly insert promos, public service announcements, or other "fill" digital audio events from a list of up to 30 events. These carts are chosen by scrolling through the pick list. The List command inserts this new event immediately before the highlighted event.

IMPORTANT! You must first configure this pick list using the ALT F10 command described on page 3-175. The List command will not function until this pick list has been created.

1. Use the ↑ and ↓ keys to move the highlight bar to the location for the new event. The new event precedes the highlighted event.

   For example, to insert a PSA as the first event in the 12:23 p.m. stop set, just after the time update, use the ↑ and ↓ keys to move the highlight bar to the first event after the update command.

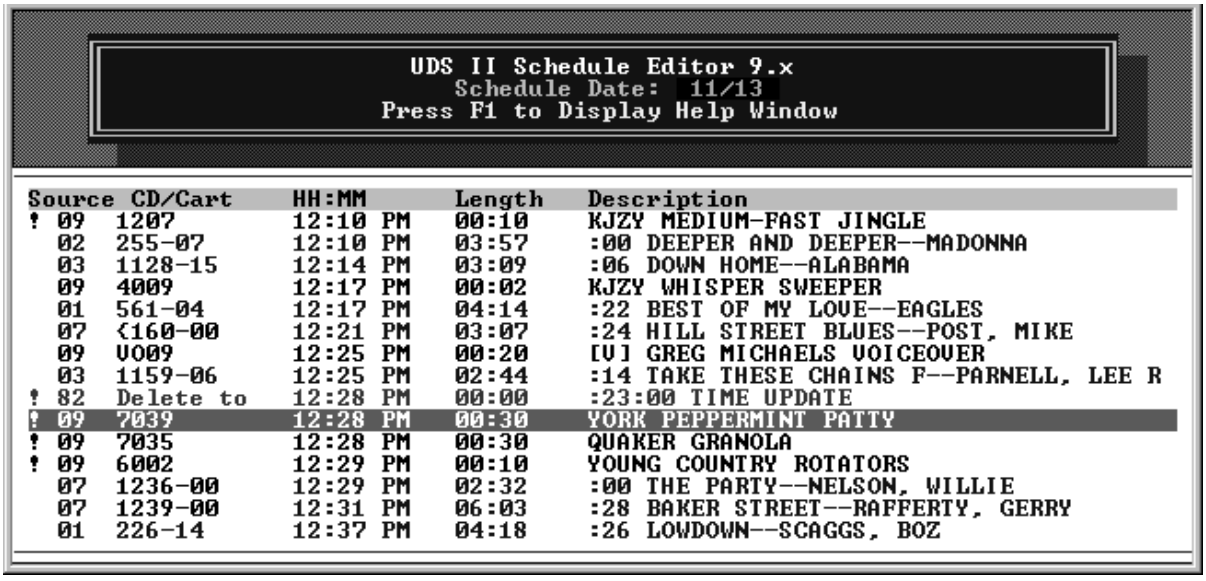

UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
! 09 1207 12:10 PM 00:10 KJZY MEDIUM-FAST JINGLE
02 255-07 12:10 PM 03:57 :00 DEEPER AND DEEPER--MADONNA
03 1128-15 12:14 PM 03:09 :06 DOWN HOME--ALABAMA
09 4009 12:17 PM 00:02 KJZY WHISPER SWEEPER
01 561-04 12:17 PM 04:14 :22 BEST OF MY LOVE--EAGLES
07 <160-00 12:21 PM 03:07 :24 HILL STREET BLUES--POST, MIKE
09 V009 12:25 PM 00:20 [V] GREG MICHAELS VOICEOVER
03 1159-06 12:25 PM 02:44 :14 TAKE THESE CHAINS F--PARNELL, LEE R
! 82 Delete to 12:28 PM 00:00 :23:00 TIME UPDATE
! 09 7039 12:28 PM 00:30 YORK PEPPERMINT PATTY
! 09 7035 12:28 PM 00:30 QUAKER GRANOLA
! 09 6002 12:29 PM 00:10 YOUNG COUNTRY ROTATORS
07 1236-00 12:29 PM 02:32 :00 THE PARTY--NELSON, WILLIE
07 1239-00 12:31 PM 06:03 :28 BAKER STREET--RAFFERTY, GERRY
01 226-14 12:37 PM 04:18 :26 LOWDOWN--SCAGGS, BOZ

Figure 3-58 UDS II Schedule Editor List Example— Pre-List

Utilities for the UDS II—UDS II Schedule Editor; List, continued

2. Press L to display the first event in the pick list. This event appears in the highlight bar, moving the rest of the schedule down one event.

   In this example, the "HIV Awareness Week" PSA is the first event in the pick list.

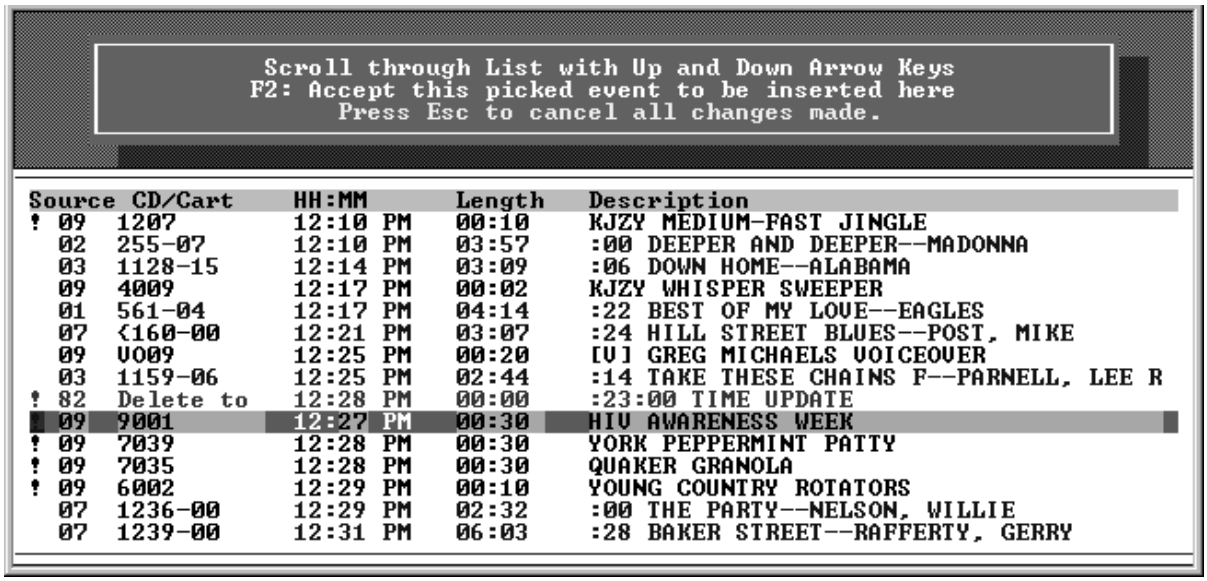

Scroll through List with Up and Down Arrow Keys
F2: Accept this picked event to be inserted here
Press Esc to cancel all changes made.
Source CD/Cart HH:MM Length Description
! 09 1207 12:10 PM 00:10 KJZY MEDIUM-FAST JINGLE
02 255-07 12:10 PM 03:57 :00 DEEPER AND DEEPER--MADONNA
03 1128-15 12:14 PM 03:09 :06 DOWN HOME--ALABAMA
09 4009 12:17 PM 00:02 KJZY WHISPER SWEEPER
01 561-04 12:17 PM 04:14 :22 BEST OF MY LOVE--EAGLES
07 <160-00 12:21 PM 03:07 :24 HILL STREET BLUES--POST, MIKE
09 V009 12:25 PM 00:20 [V] GREG MICHAELS VOICEOVER
03 1159-06 12:25 PM 02:44 :14 TAKE THESE CHAINS F--PARNELL, LEE R
! 82 Delete to 12:28 PM 00:00 :23:00 TIME UPDATE
! 09 9001 12:27 PM 00:30 HIV AWARENESS WEEK
! 09 7039 12:28 PM 00:30 YORK PEPPERMINT PATTY
! 09 7035 12:28 PM 00:30 QUAKER GRANOLA
! 09 6002 12:29 PM 00:10 YOUNG COUNTRY ROTATORS
07 1236-00 12:29 PM 02:32 :00 THE PARTY--NELSON, WILLIE
07 1239-00 12:31 PM 06:03 :28 BAKER STREET--RAFFERTY, GERRY

Figure 3-59 UDS II Schedule Editor List Example— First Event on Pick List

Utilities for the UDS II—UDS II Schedule Editor; List, continued

3. Use the ↑ and ↓ arrows to scroll through the pick list to find the event you wish to insert. The pick list is a *circular* buffer so when you reach the end, it will start over.

   In this example, press ↓ until "Dallas Can Academy 2" appears on the highlighted line.

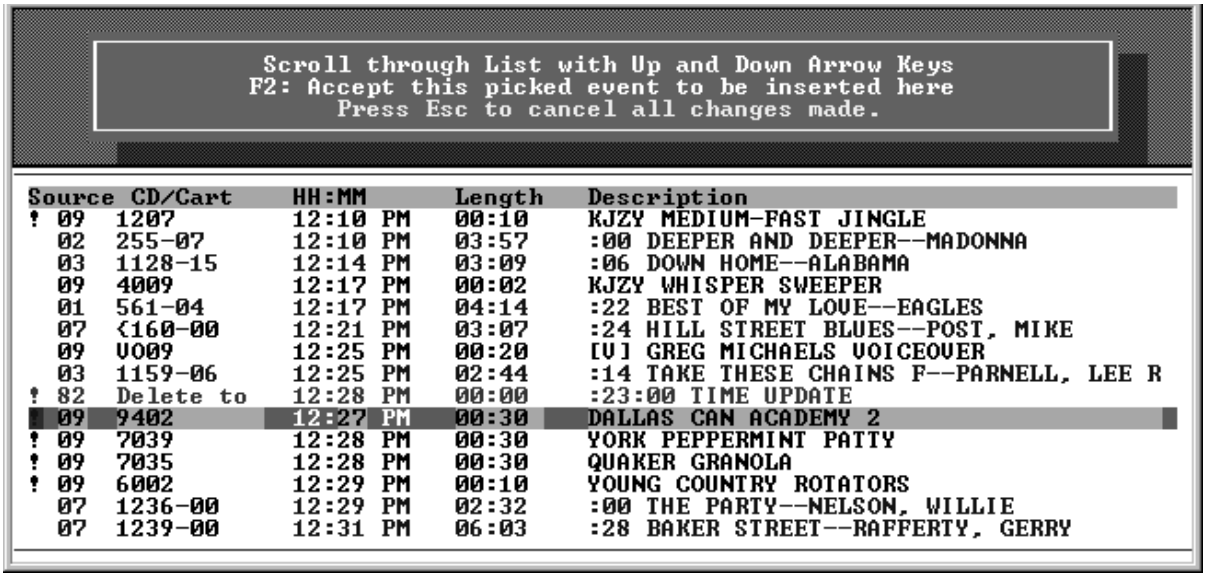

Scroll through List with Up and Down Arrow Keys
F2: Accept this picked event to be inserted here
Press Esc to cancel all changes made.
Source CD/Cart HH:MM Length Description
! 09 1207 12:10 PM 00:10 KJZY MEDIUM-FAST JINGLE
02 255-07 12:10 PM 03:57 :00 DEEPER AND DEEPER--MADONNA
03 1128-15 12:14 PM 03:09 :06 DOWN HOME--ALABAMA
09 4009 12:17 PM 00:02 KJZY WHISPER SWEEPER
01 561-04 12:17 PM 04:14 :22 BEST OF MY LOVE--EAGLES
07 <160-00 12:21 PM 03:07 :24 HILL STREET BLUES--POST, MIKE
09 V009 12:25 PM 00:20 [V] GREG MICHAELS VOICEOVER
03 1159-06 12:25 PM 02:44 :14 TAKE THESE CHAINS F--PARNELL, LEE R
! 82 Delete to 12:28 PM 00:00 :23:00 TIME UPDATE
09 9402 12:27 PM 00:30 DALLAS CAN ACADEMY 2
! 09 7039 12:28 PM 00:30 YORK PEPPERMINT PATTY
! 09 7035 12:28 PM 00:30 QUAKER GRANOLA
! 09 6002 12:29 PM 00:10 YOUNG COUNTRY ROTATORS
07 1236-00 12:29 PM 02:32 :00 THE PARTY--NELSON, WILLIE
07 1239-00 12:31 PM 06:03 :28 BAKER STREET--RAFFERTY, GERRY

Figure 3-60 UDS II Schedule Editor List Example— Found the Desired Event

4. Pressing F2 accepts the selected event and inserts it into the schedule. Pressing ESC instead aborts the List command and returns the schedule to its original state.

The inserted event takes its scheduled start time from the event just before it in the schedule. The length and description of events inserted by the List command are taken from the pick list. The source number of the primary non-music digital audio source is read from the Commercial Merge Configuration Setup.

📖 For more information on setting up the primary non-music digital audio source number, see *Configuring the Merge Program* starting on page 3-81.

Utilities for the UDS II—UDS II Schedule Editor, continued

M—Move

The Move feature of the UDS II Schedule Editor relocates the highlighted event to a new position in the schedule. This can be handy if you wish to juggle a stop set or move an event from one part of the schedule to another.

1. Use the ↑ and ↓ keys to move the highlight bar to the event you want to move.

   For example, if you want to move the "Hormel Meats" commercial from the busy 8:08 a.m. stop set to the less-crowded 8:23 a.m. stop set, use the ↑ and ↓ keys to position the highlight bar on the "Hormel Meats" commercial.

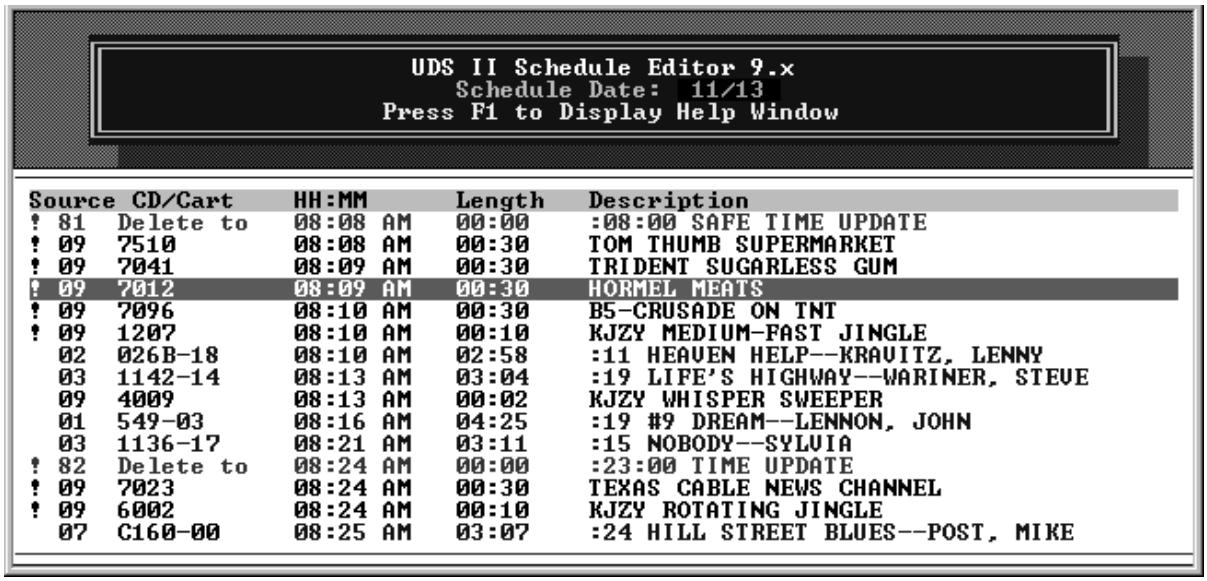

UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
! 81 Delete to 08:08 AM 00:00 :08:00 SAFE TIME UPDATE
! 09 7510 08:08 AM 00:30 TOM THUMB SUPERMARKET
! 09 7041 08:09 AM 00:30 TRIDENT SUGARLESS GUM
! 09 7012 08:09 AM 00:30 HORMEL MEATS
! 09 7096 08:10 AM 00:30 B5-CRUSADE ON TNT
! 09 1207 08:10 AM 00:10 KJZY MEDIUM-FAST JINGLE
02 026B-18 08:10 AM 02:58 :11 HEAVEN HELP--KRAVITZ, LENNY
03 1142-14 08:13 AM 03:04 :19 LIFE'S HIGHWAY--WARINER, STEVE
09 4009 08:13 AM 00:02 KJZY WHISPER SWEEPER
01 549-03 08:16 AM 04:25 :19 #9 DREAM--LENNON, JOHN
03 1136-17 08:21 AM 03:11 :15 NOBODY--SYLVIA
! 82 Delete to 08:24 AM 00:00 :23:00 TIME UPDATE
! 09 7023 08:24 AM 00:30 TEXAS CABLE NEWS CHANNEL
! 09 6002 08:24 AM 00:10 KJZY ROTATING JINGLE
07 C160-00 08:25 AM 03:07 :24 HILL STREET BLUES--POST, MIKE

Figure 3-61 UDS II Schedule Editor Move Example— Pre-Move

2. Press M to begin the Move process.

   The currently highlighted event starts blinking and the event's text color changes to blue, to indicate that a move is pending.

   The top of the window displays your move instructions.

Utilities for the UDS II—UDS II Schedule Editor; Move, continued

3. Use the ↑ and ↓ keys to move the highlight bar to the new location for the event.

   For example, to move the "Hormel Meats" commercial to the last event in the stop set, just before the "KJZY Rotating Jingle", press ↓ until "KJZY Rotating Jingle" is highlighted.

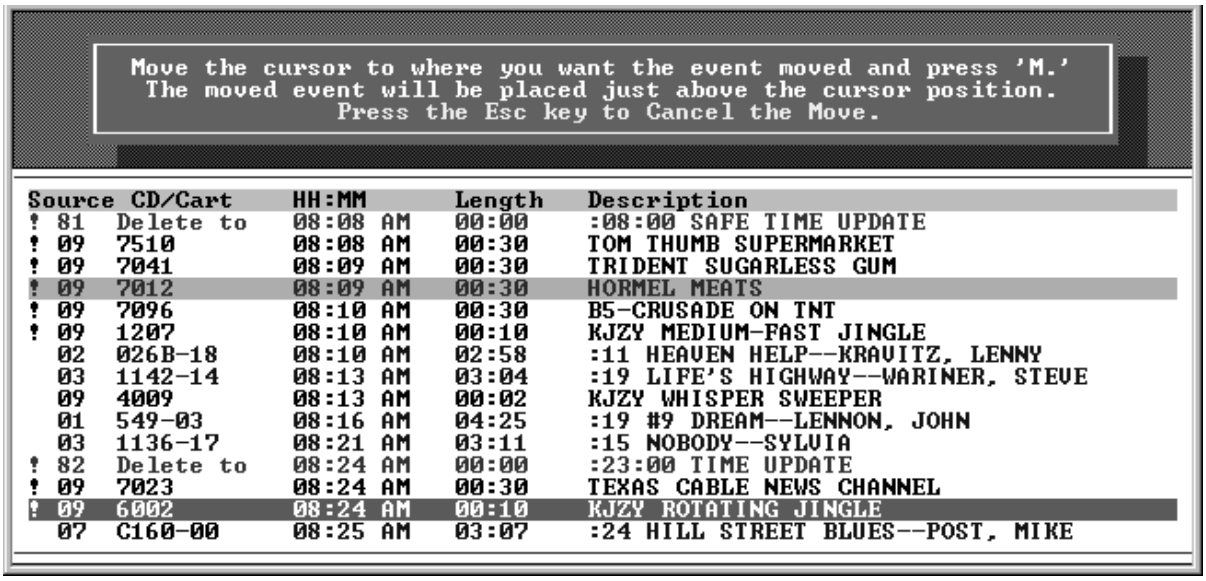

Move the cursor to where you want the event moved and press 'M.'
The moved event will be placed just above the cursor position.
Press the Esc key to Cancel the Move.
Source CD/Cart HH:MM Length Description
! 81 Delete to 08:08 AM 00:00 :08:00 SAFE TIME UPDATE
! 09 7510 08:08 AM 00:30 TOM THUMB SUPERMARKET
! 09 7041 08:09 AM 00:30 TRIDENT SUGARLESS GUM
! 09 7012 08:09 AM 00:30 HORMEL MEATS
! 09 7096 08:10 AM 00:30 B5-CRUSADE ON TNT
! 09 1207 08:10 AM 00:10 KJZY MEDIUM-FAST JINGLE
02 026B-18 08:10 AM 02:58 :11 HEAVEN HELP--KRAVITZ, LENNY
03 1142-14 08:13 AM 03:04 :19 LIFE'S HIGHWAY--WARINER, STEVE
09 4009 08:13 AM 00:02 KJZY WHISPER SWEEPER
01 549-03 08:16 AM 04:25 :19 #9 DREAM--LENNON, JOHN
03 1136-17 08:21 AM 03:11 :15 NOBODY--SYLVIA
! 82 Delete to 08:24 AM 00:00 :23:00 TIME UPDATE
! 09 7023 08:24 AM 00:30 TEXAS CABLE NEWS CHANNEL
! 09 6002 08:24 AM 00:10 KJZY ROTATING JINGLE
07 C160-00 08:25 AM 03:07 :24 HILL STREET BLUES--POST, MIKE

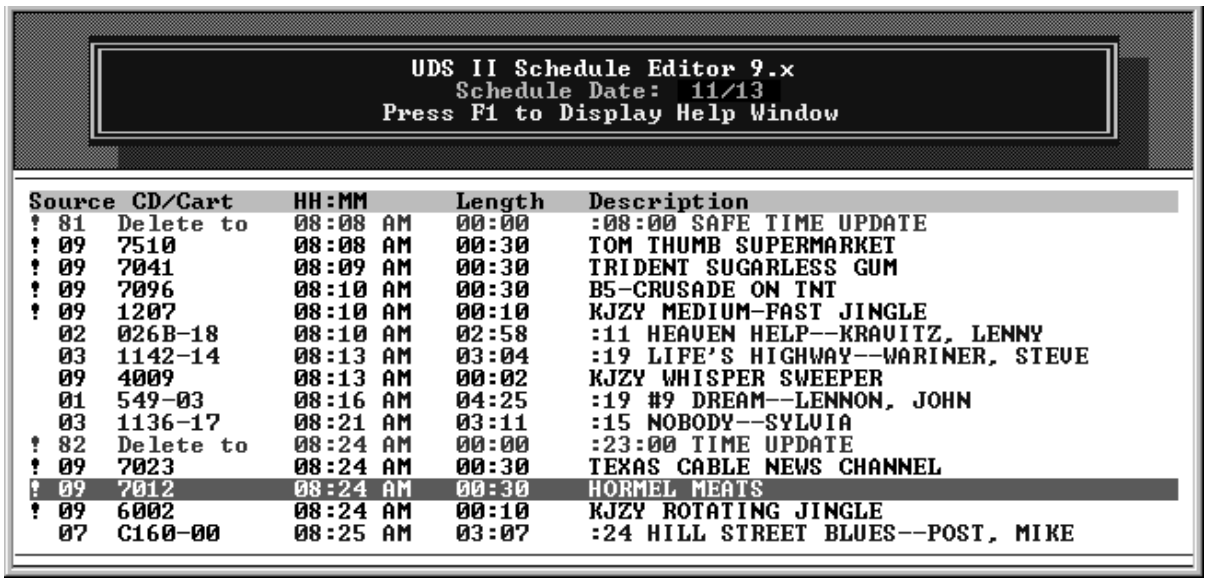
Figure 3-62 UDS II Schedule Editor Move Example— Highlight Destination

Utilities for the UDS II—UDS II Schedule Editor; Move, continued

4. Press M again to complete the move process.

   The event is inserted at the highlight, and the following events are moved down one position in the schedule. The moved event is given a new start time based on its location in the schedule.

   In this example, the "Hormel Meats" commercial is now located just before the "KJZY Rotating Jingle. The "Hormel Meats" commercial now also shows a schedule start time of 8:24 a.m., the same start time as the "Texas Cable News Channel" commercial that precedes it.



Source	CD/Cart	HH:MM	Length	Description
! 81	Delete to	08:08 AM	00:00	:08:00 SAFE TIME UPDATE
! 09	7510	08:08 AM	00:30	TOM THUMB SUPERMARKET
! 09	7041	08:09 AM	00:30	TRIDENT SUGARLESS GUM
! 09	7096	08:10 AM	00:30	B5-CRUSADE ON TNT
! 09	1207	08:10 AM	00:10	KJZY MEDIUM-FAST JINGLE
02	026B-18	08:10 AM	02:58	:11 HEAVEN HELP--KRAVITZ, LENNY
03	1142-14	08:13 AM	03:04	:19 LIFE'S HIGHWAY--WARINER, STEVE
09	4009	08:13 AM	00:02	KJZY WHISPER SWEEPER
01	549-03	08:16 AM	04:25	:19 #9 DREAM--LENNON, JOHN
03	1136-17	08:21 AM	03:11	:15 NOBODY--SYLVIA
! 82	Delete to	08:24 AM	00:00	:23:00 TIME UPDATE
! 09	7023	08:24 AM	00:30	TEXAS CABLE NEWS CHANNEL
! 09	7012	08:24 AM	00:30	HORMEL MEATS
! 09	6002	08:24 AM	00:10	KJZY ROTATING JINGLE
07	C160-00	08:25 AM	03:07	:24 HILL STREET BLUES--POST, MIKE

Figure 3-63 UDS II Schedule Editor Move Example— Completed

Pressing ESC (or any key besides M or the arrow keys) while the move is pending cancels the move command.

Utilities for the UDS II—UDS II Schedule Editor, continued

[N]—Next

The Next feature of the UDS II Schedule Editor moves the editor's cursor to the *next* instance of the highlighted event. If there is not a "next" instance of that event, a message to that effect appears in a green box at the top of the screen.

To find the next instance of an event, follow the steps outlined below:

1. Use the [↑] and [↓] arrow keys to move the highlight bar to the event of your choice.

   For example, to find the next instance of the "Channel 5" commercial, use the [↑] and [↓] arrow keys to move the highlight bar to that event.

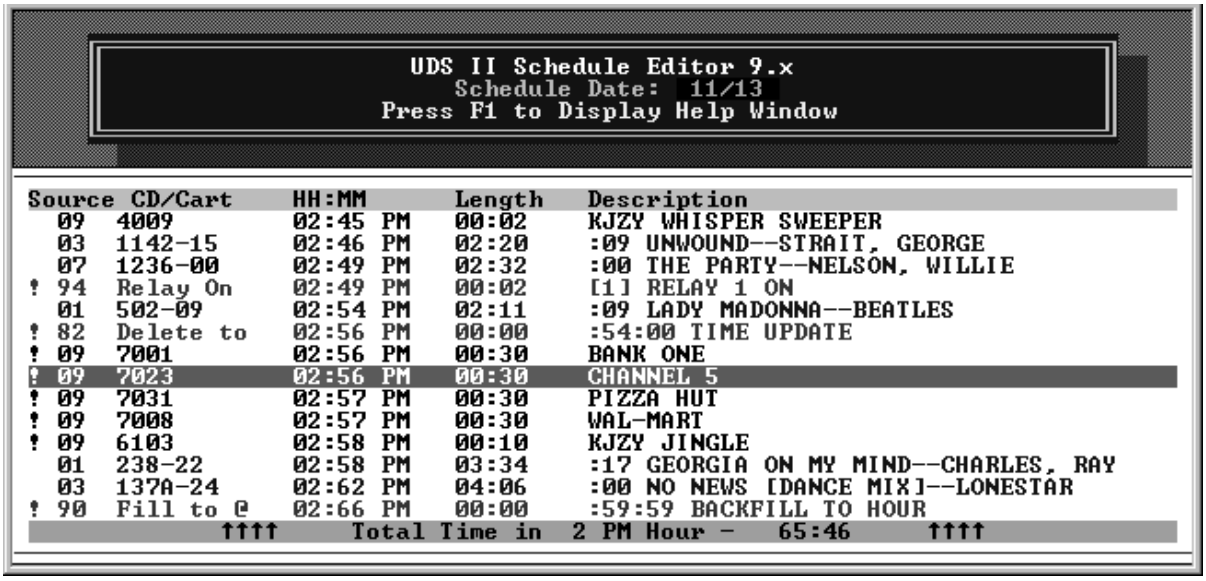

UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
09 4009 02:45 PM 00:02 KJZY WHISPER SWEEPER
03 1142-15 02:46 PM 02:20 :09 UNWOUND--STRAIT, GEORGE
07 1236-00 02:49 PM 02:32 :00 THE PARTY--NELSON, WILLIE
! 94 Relay On 02:49 PM 00:02 [1] RELAY 1 ON
01 502-09 02:54 PM 02:11 :09 LADY MADONNA--BEATLES
! 82 Delete to 02:56 PM 00:00 :54:00 TIME UPDATE
! 09 7001 02:56 PM 00:30 BANK ONE
! 09 7023 02:56 PM 00:30 CHANNEL 5
! 09 7031 02:57 PM 00:30 PIZZA HUT
! 09 7008 02:57 PM 00:30 WAL-MART
! 09 6103 02:58 PM 00:10 KJZY JINGLE
01 238-22 02:58 PM 03:34 :17 GEORGIA ON MY MIND--CHARLES, RAY
03 137A-24 02:62 PM 04:06 :00 NO NEWS [DANCE MIX]--LONESTAR
! 90 Fill to @ 02:66 PM 00:00 :59:59 BACKFILL TO HOUR
↑↑↑↑ Total Time in 2 PM Hour - 65:46 ↑↑↑↑

Figure 3-64 UDS II Schedule Editor Next Example—Initial Event

Utilities for the UDS II—UDS II Schedule Editor; Next, continued

2. To find the next instance of the highlighted event, press N. The highlight bar moves to the next instance of the event.

   The example below shows the next instance of the "Channel 5" commercial highlighted with a scheduled-at time of 7:47 p.m.

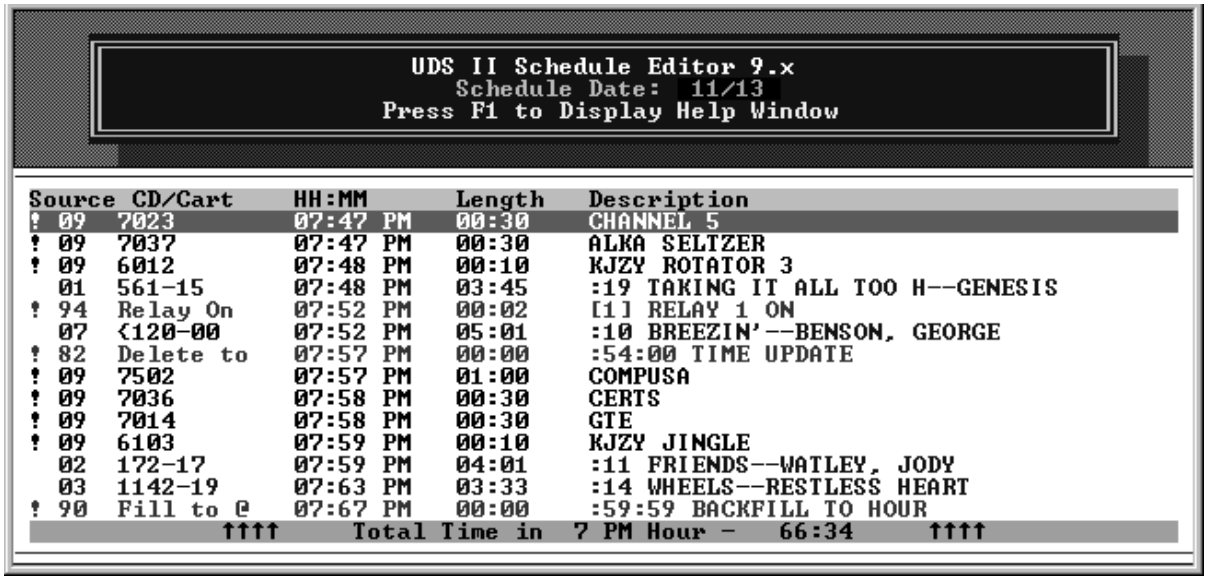

UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
! 09 7023 07:47 PM 00:30 CHANNEL 5
! 09 7037 07:47 PM 00:30 ALKA SELTZER
! 09 6012 07:48 PM 00:10 KJZY ROTATOR 3
01 561-15 07:48 PM 03:45 :19 TAKING IT ALL TOO H--GENESIS
! 94 Relay On 07:52 PM 00:02 [1] RELAY 1 ON
07 <120-00 07:52 PM 05:01 :10 BREEZIN'--BENSON, GEORGE
! 82 Delete to 07:57 PM 00:00 :54:00 TIME UPDATE
! 09 7502 07:57 PM 01:00 COMPUSA
! 09 7036 07:58 PM 00:30 CERTS
! 09 7014 07:58 PM 00:30 GTE
! 09 6103 07:59 PM 00:10 KJZY JINGLE
02 172-17 07:59 PM 04:01 :11 FRIENDS--WATLEY, JODY
03 1142-19 07:63 PM 03:33 :14 WHEELS--RESTLESS HEART
! 90 Fill to @ 07:67 PM 00:00 :59:59 BACKFILL TO HOUR
↑↑↑↑ Total Time in 7 PM Hour - 66:34 ↑↑↑↑

Figure 3-65 UDS II Schedule Editor Next Example— Found Next Event

You may continue pressing N to find each "next" instance of this event until you reach the last such event or the end of the schedule.

If there had not been a "next" instance of the event you selected, the UDS II Schedule Editor would have displayed a green message at the top of the screen similar to the one below. Press any key, as indicated, to resume editing.

Figure 3-66 UDS II Schedule Editor Next Example— Next Not Found

Utilities for the UDS II—UDS II Schedule Editor, continued

[R]—Revise

The Revise feature of the UDS II Schedule Editor allows you to change multiple instances of the same event in the UDS II schedule. This command is often used to move a non-music digital audio event from one cart number to another or to change the schedule description of a non-music event or breaknote command.

> ***Note*:** The Revise command changes each event matching the search criteria from the current position in the schedule forward. To change the event across the whole schedule, press [HOME] to move to the start of the schedule before beginning the Revise process.

You may search for and replace events based on CD/Cart number or description. The matches must be *exact* or the Revise feature skips the event.

The UDS II Schedule Editor prompts you at each match to determine whether or not you wish to replace this event's information with the new information you entered. This allows you to selectively change matching events.

To use the Revise feature, follow the steps outlined below:

1. Use the [↑] and [↓] arrow keys to move the highlight bar to the first instance of the event you wish to revise.

2. Press [R] to begin the Revise process.

   The UDS II Editor displays the search and replace window.

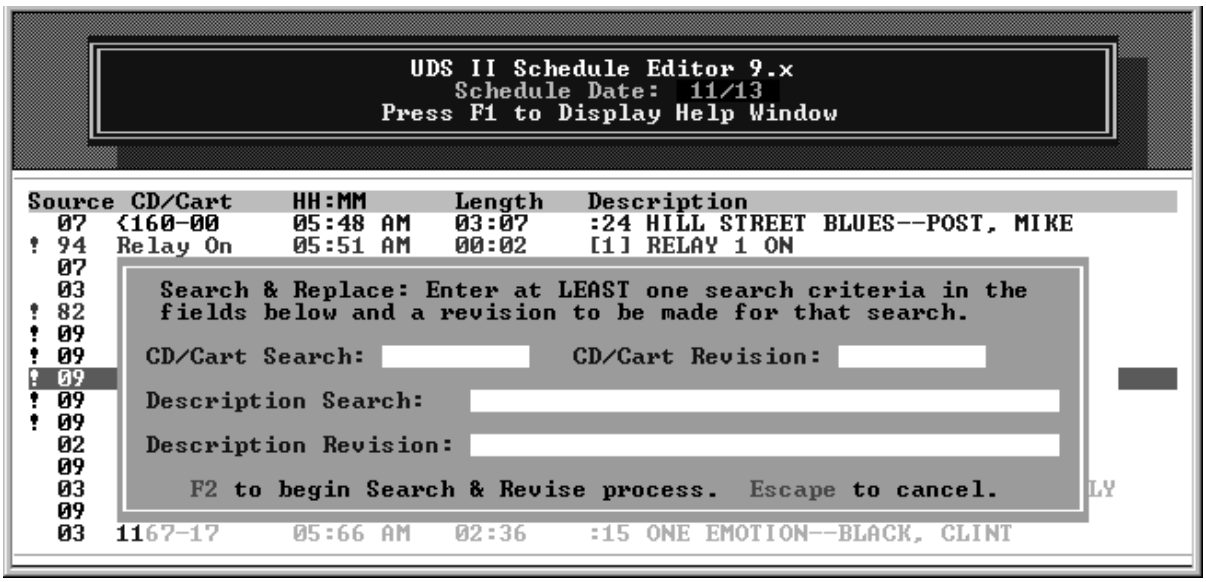

UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
07 <160-00 05:48 AM 03:07 :24 HILL STREET BLUES--POST, MIKE
! 94 Relay On 05:51 AM 00:02 [1] RELAY 1 ON
07
03
! 82
! 09
! 09
! 09
! 09
! 09
02
09
03
09
03 1167-17 05:66 AM 02:36 :15 ONE EMOTION--BLACK, CLINT
Search & Replace: Enter at LEAST one search criteria in the fields below and a revision to be made for that search.
CD/Cart Search:
CD/Cart Revision:
Description Search:
Description Revision:
F2 to begin Search & Revise process. Escape to cancel.

Figure 3-67 UDS II Schedule Editor Revise Example— Search and Replace Window

Utilities for the UDS II—UDS II Schedule Editor; Revise, continued

- There are two ways to search for events to revise:
  - To search for a specific event by cart number or CD identifier, type the cart number or CD identifier (disc and track) into the CD/Cart Search field.
  - To search for a specific event description, type the entire description in the Description Search field.
- There are three ways matching events may be revised:
  - To replace the cart number or CD identifier for an event, type the new cart or CD identifier (disc and track) number into the CD/Cart Revision field.
  - To replace the description for an event, type the entire new description in the Description Revision field.

In this example, you wish to revise the "Dallas Can Academy 2" PSA on cart 9402 to be the alternate "Dallas Can Academy 1" PSA on cart 9401. Since the 5:57 a.m. instance of this cart is highlighted , the schedule will be revised from 5:57 a.m. to midnight only.

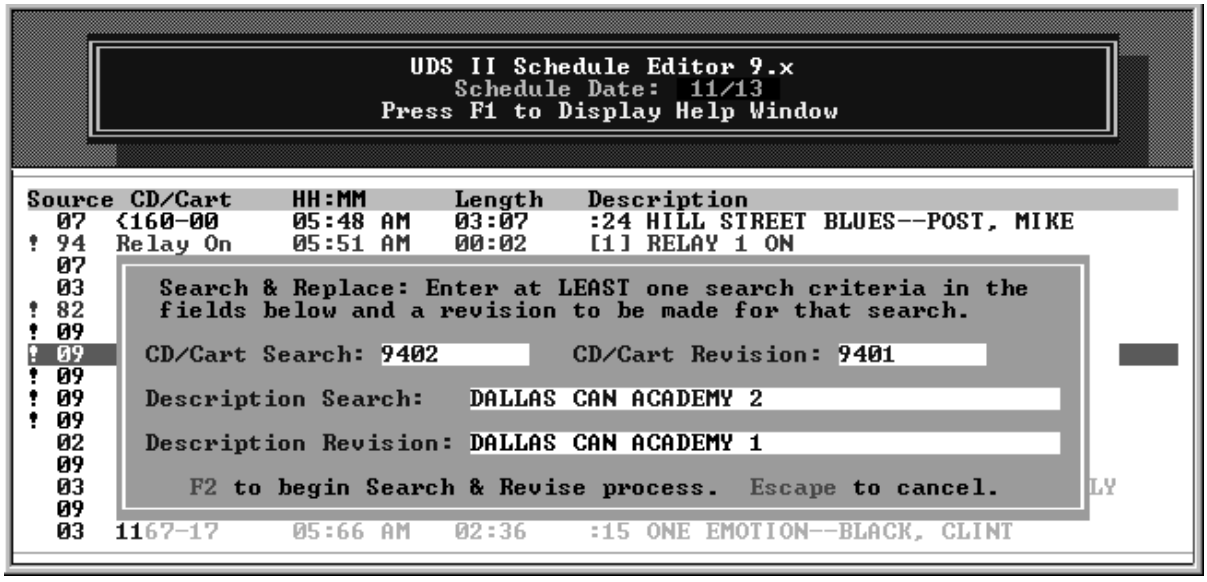

UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
07 <160-00 05:48 AM 03:07 :24 HILL STREET BLUES--POST, MIKE
! 94 Relay On 05:51 AM 00:02 [1] RELAY 1 ON
Search & Replace: Enter at LEAST one search criteria in the fields below and a revision to be made for that search.
CD/Cart Search: 9402
CD/Cart Revision: 9401
Description Search: DALLAS CAN ACADEMY 2
Description Revision: DALLAS CAN ACADEMY 1
F2 to begin Search & Revise process. Escape to cancel.
03 1167-17 05:66 AM 02:36 :15 ONE EMOTION--BLACK, CLINT

Figure 3-68 UDS II Schedule Editor Revise Example— Search Criteria Entry

Utilities for the UDS II—UDS II Schedule Editor; Revise, continued

For this example, type the following search and replace criteria:

- Type 9 4 0 2 into the CD/Cart Search field and then press ENTER to search for all digital audio events on cart 9402.
- Type 9 4 0 1 into the CD/Cart Revision field and then press ENTER to replace cart number 9402 with 9401.
- Type D A L L A S SPACE C A N SPACE A C A D E M Y SPACE 2 ENTER

  into the Description Search field to search for all events with a description of "Dallas Can Academy 2".

  Note: This step is *optional* as it will force the Revise command to find only those events with *both* matching fields. You may wish to find all events with a certain cart number but any description. In that case, press ENTER to skip this entry field and proceed to the Description Search field.

- Type D A L L A S SPACE C A N SPACE A C A D E M Y SPACE 1 ENTER

  into the Description Revision field to replace any description of cart 9402 (soon to be 9401) with "Dallas Can Academy 1".

3. Press F2 to begin the Revise process.

Utilities for the UDS II—UDS II Schedule Editor; Revise, continued

4. Each time an exact match to the search criteria is found, the UDS II Schedule Editor displays the source number, scheduled start time, and run time for the matching event. The UDS II Schedule Editor prompts you to revise the event, to skip this event and continue searching, or to quit revising immediately.

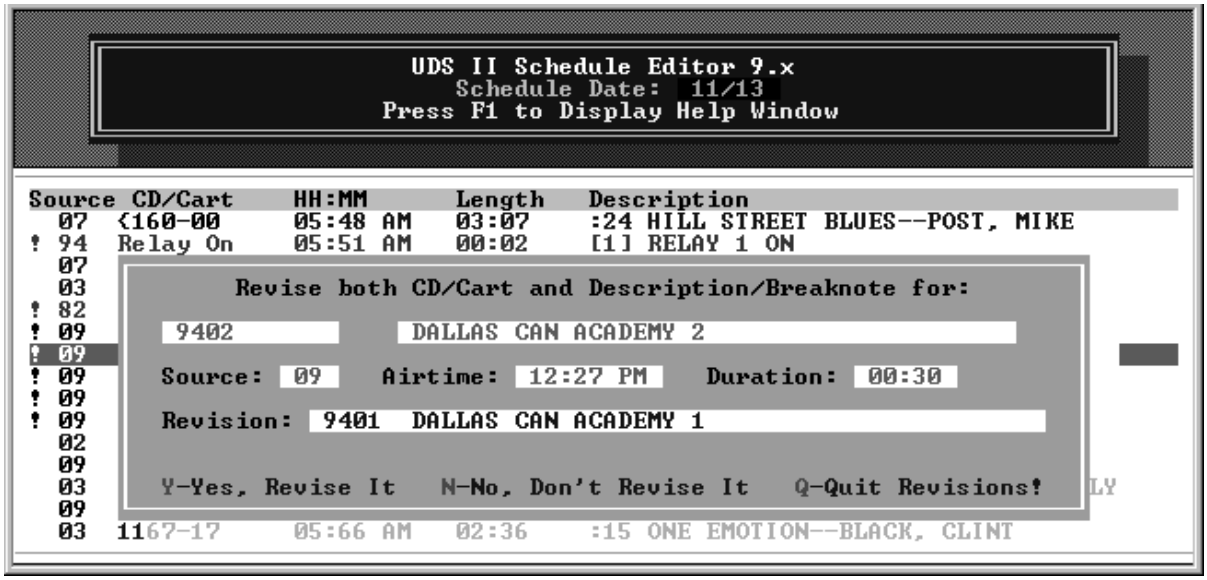

UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
07 <160-00 05:48 AM 03:07 :24 HILL STREET BLUES--POST, MIKE
! 94 Relay On 05:51 AM 00:02 [1] RELAY 1 ON
Revise both CD/Cart and Description/Breaknote for:
9402 DALLAS CAN ACADEMY 2
Source: 09 Airtime: 12:27 PM Duration: 00:30
Revision: 9401 DALLAS CAN ACADEMY 1
Y-Yes, Revise It N-No, Don't Revise It Q-Quit Revisions!
11 67-17 05:66 AM 02:36 :15 ONE EMOTION--BLACK, CLINT

Figure 3-69 UDS II Schedule Editor Revise Example— Action Prompt Window

- To revise this event and continue searching for more matching events, press Y.
- To leave this event unchanged and continue searching for more matching events, press N.
- To leave this event unchanged and stop searching immediately, press Q.

5. Continue answering Y or N until you have completed revising the events. Answer Q if you complete revising events before the search process reaches the end of the schedule.

   If you reach the end of the schedule and there are no more matching events, the UDS II Editor returns you to the main editing window at the position you began the Revise process with the starting event highlighted.

Utilities for the UDS II—UDS II Schedule Editor, continued

S (or J)—Swap (or Juggle)

The Swap (or Juggle) feature of the UDS II Schedule Editor swaps the locations of two events in the schedule. The Swap process is often useful if you need to juggle the commercials in a stop set to avoid same-voice conflicts or to switch two songs to avoid machine or other conflicts.

To use the Swap feature, follow the steps outlined below:

1. Use the ↑ and ↓ arrow keys to highlight one of the two events you want to swap.

   For example, you know that the "Ed's Sports Cards" and "Minton Beef Jerky" commercials share the same announcer and you have noticed that they are scheduled back-to-back in the 1:08 p.m. stop set.

   Use the arrow keys to highlight the "Minton Beef Jerky" spot.

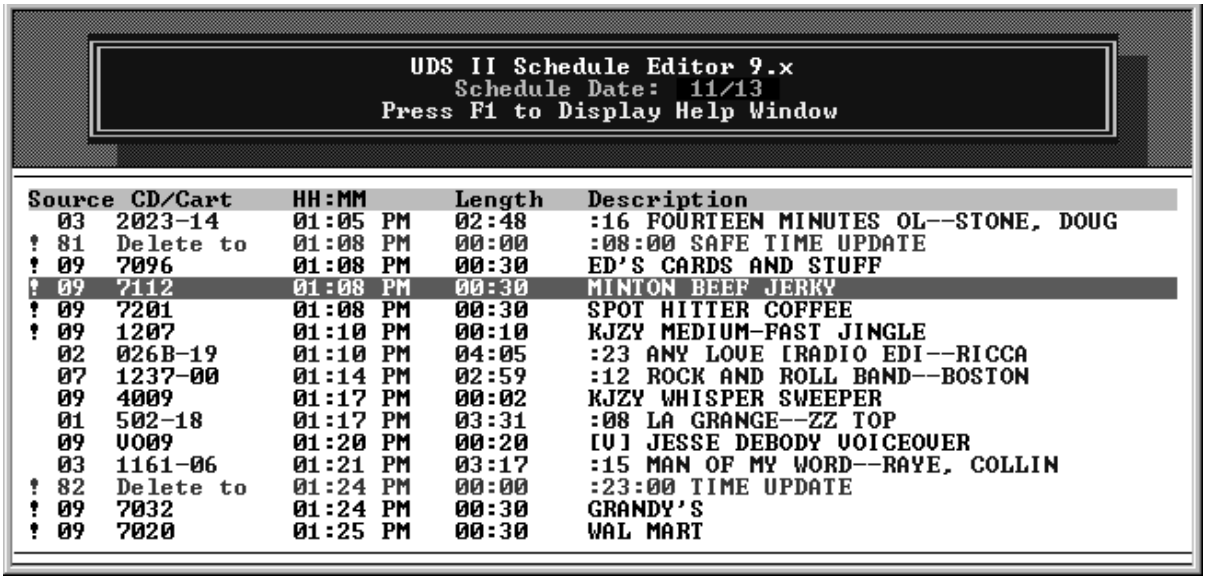

UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
03 2023-14 01:05 PM 02:48 :16 FOURTEEN MINUTES OL--STONE, DOUG
! 81 Delete to 01:08 PM 00:00 :08:00 SAFE TIME UPDATE
! 09 7096 01:08 PM 00:30 ED'S CARDS AND STUFF
! 09 7112 01:08 PM 00:30 MINTON BEEF JERKY
! 09 7201 01:08 PM 00:30 SPOT HITTER COFFEE
! 09 1207 01:10 PM 00:10 KJZY MEDIUM-FAST JINGLE
02 026B-19 01:10 PM 04:05 :23 ANY LOVE [RADIO EDI--RICCA
07 1237-00 01:14 PM 02:59 :12 ROCK AND ROLL BAND--BOSTON
09 4009 01:17 PM 00:02 KJZY WHISPER SWEEPER
01 502-18 01:17 PM 03:31 :08 LA GRANGE--ZZ TOP
09 VO09 01:20 PM 00:20 [V] JESSE DEBODY VOICEOVER
03 1161-06 01:21 PM 03:17 :15 MAN OF MY WORD--RAYE, COLLIN
! 82 Delete to 01:24 PM 00:00 :23:00 TIME UPDATE
! 09 7032 01:24 PM 00:30 GRANDY'S
! 09 7020 01:25 PM 00:30 WAL MART

Figure 3-70 UDS II Schedule Editor Swap Example— Pre-Swap

Utilities for the UDS II—UDS II Schedule Editor; Swap (Juggle), continued

2. Press S to begin the swap process. The highlighted event begins to blink and the text changes to black on a green background to indicate you are in the swap process.

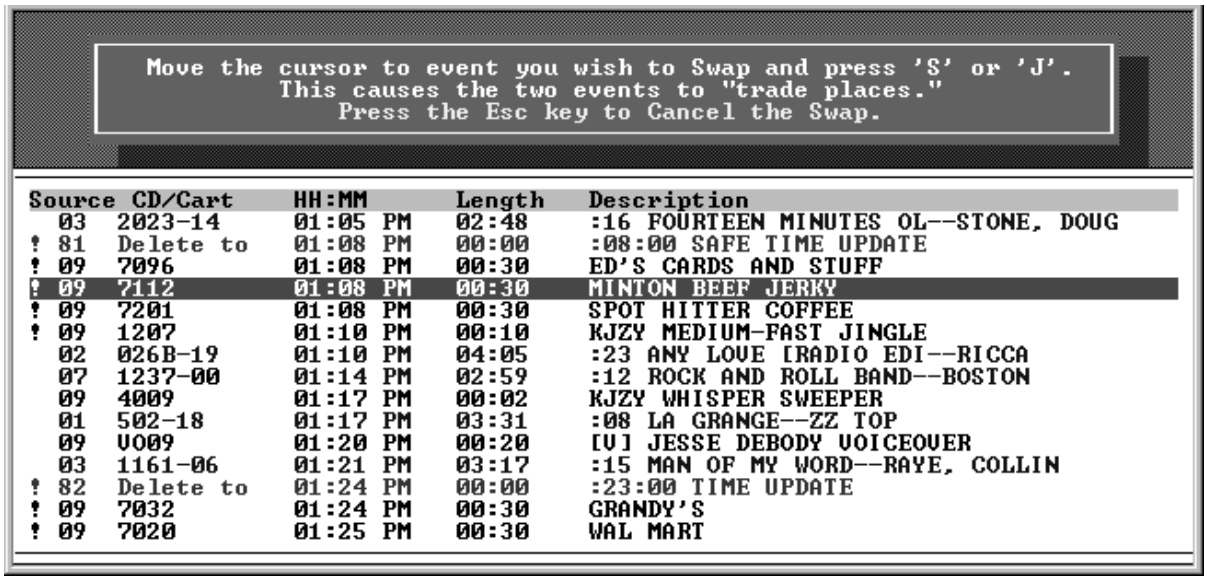

Move the cursor to event you wish to Swap and press 'S' or 'J'.
This causes the two events to "trade places."
Press the Esc key to Cancel the Swap.
Source CD/Cart HH:MM Length Description
03 2023-14 01:05 PM 02:48 :16 FOURTEEN MINUTES OL--STONE, DOUG
! 81 Delete to 01:08 PM 00:00 :08:00 SAFE TIME UPDATE
! 09 7096 01:08 PM 00:30 ED'S CARDS AND STUFF
! 09 7112 01:08 PM 00:30 MINTON BEEF JERKY
! 09 7201 01:08 PM 00:30 SPOT HITTER COFFEE
! 09 1207 01:10 PM 00:10 KJZY MEDIUM-FAST JINGLE
02 026B-19 01:10 PM 04:05 :23 ANY LOVE [RADIO EDI--RICCA
07 1237-00 01:14 PM 02:59 :12 ROCK AND ROLL BAND--BOSTON
09 4009 01:17 PM 00:02 KJZY WHISPER SWEEPER
01 502-18 01:17 PM 03:31 :08 LA GRANGE--ZZ TOP
09 V009 01:20 PM 00:20 [V] JESSE DEBODY VOICEOVER
03 1161-06 01:21 PM 03:17 :15 MAN OF MY WORD--RAYE, COLLIN
! 82 Delete to 01:24 PM 00:00 :23:00 TIME UPDATE
! 09 7032 01:24 PM 00:30 GRANDY'S
! 09 7020 01:25 PM 00:30 WAL MART

Figure 3-71 UDS II Schedule Editor Swap Example— First Highlight

3. Now, use the ↑ and ↓ arrow keys to highlight the second event you want to swap.

   For this example, press ↓ once to highlight the "Spot Hitter Coffee" commercial.

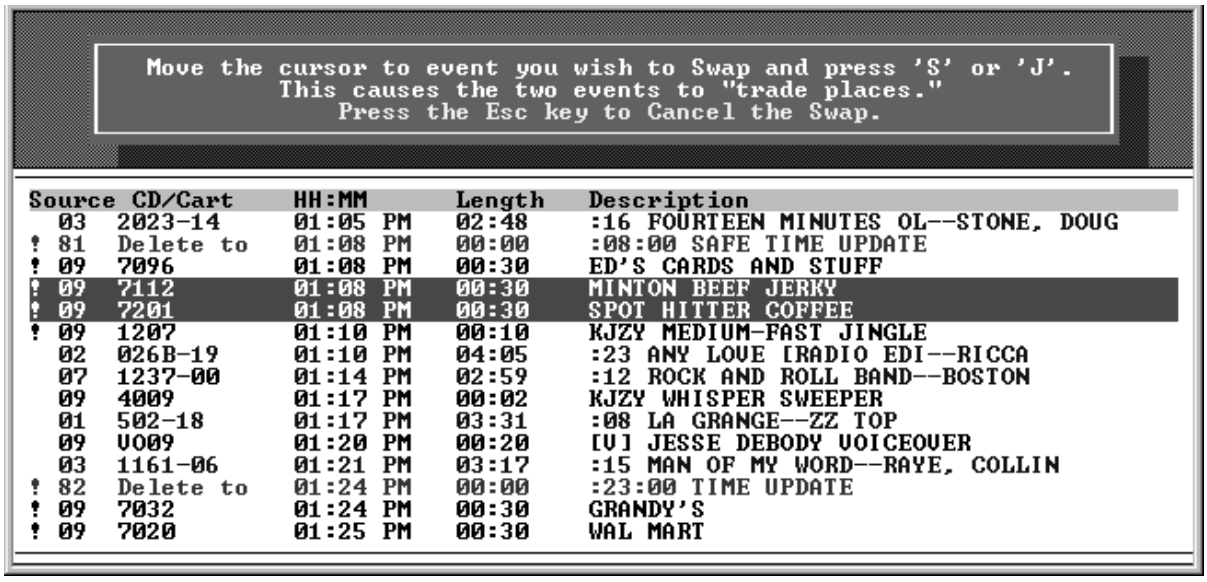

Move the cursor to event you wish to Swap and press 'S' or 'J'.
This causes the two events to "trade places."
Press the Esc key to Cancel the Swap.
Source CD/Cart HH:MM Length Description
03 2023-14 01:05 PM 02:48 :16 FOURTEEN MINUTES OL--STONE, DOUG
! 81 Delete to 01:08 PM 00:00 :08:00 SAFE TIME UPDATE
! 09 7096 01:08 PM 00:30 ED'S CARDS AND STUFF
! 09 7112 01:08 PM 00:30 MINTON BEEF JERKY
! 09 7201 01:08 PM 00:30 SPOT HITTER COFFEE
! 09 1207 01:10 PM 00:10 KJZY MEDIUM-FAST JINGLE
02 026B-19 01:10 PM 04:05 :23 ANY LOVE [RADIO EDI--RICCA
07 1237-00 01:14 PM 02:59 :12 ROCK AND ROLL BAND--BOSTON
09 4009 01:17 PM 00:02 KJZY WHISPER SWEEPER
01 502-18 01:17 PM 03:31 :08 LA GRANGE--ZZ TOP
09 V009 01:20 PM 00:20 [V] JESSE DEBODY VOICEOVER
03 1161-06 01:21 PM 03:17 :15 MAN OF MY WORD--RAYE, COLLIN
! 82 Delete to 01:24 PM 00:00 :23:00 TIME UPDATE
! 09 7032 01:24 PM 00:30 GRANDY'S
! 09 7020 01:25 PM 00:30 WAL MART

Figure 3-72 UDS II Schedule Editor Swap Example— Second Highlight

Utilities for the UDS II—UDS II Schedule Editor; Swap (Juggle), continued

4. Press S again to complete the Swap process. The two events swap places in the schedule.

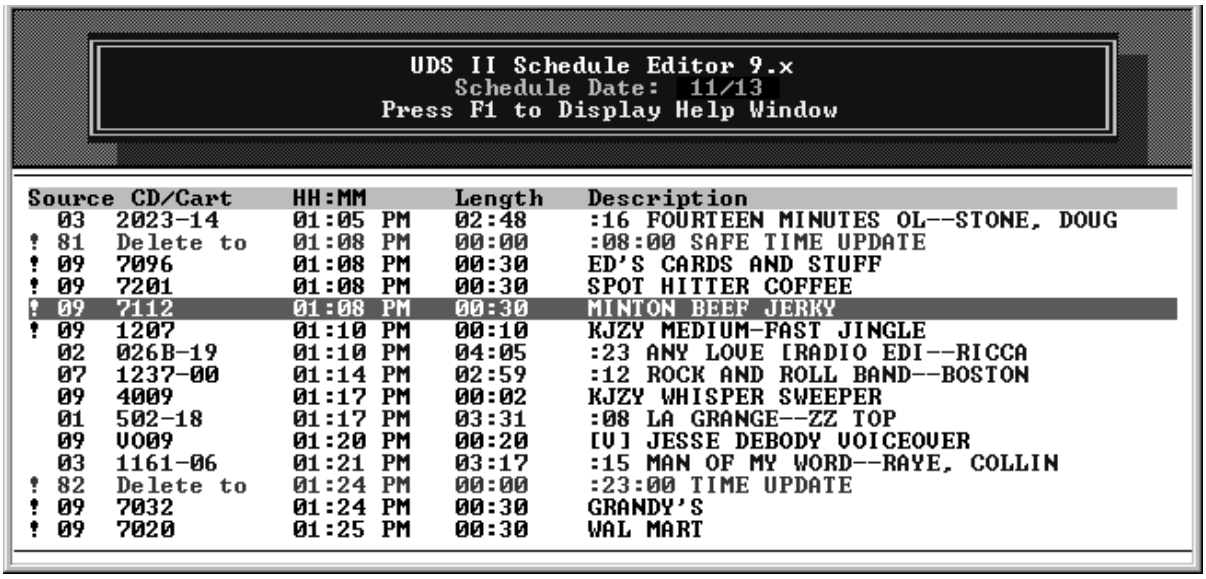

UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
03 2023-14 01:05 PM 02:48 :16 FOURTEEN MINUTES OL--STONE, DOUG
! 81 Delete to 01:08 PM 00:00 :08:00 SAFE TIME UPDATE
! 09 7096 01:08 PM 00:30 ED'S CARDS AND STUFF
! 09 7201 01:08 PM 00:30 SPOT HITTER COFFEE
! 09 7112 01:08 PM 00:30 MINTON BEEF JERKY
! 09 1207 01:10 PM 00:10 KJZY MEDIUM-FAST JINGLE
02 026B-19 01:10 PM 04:05 :23 ANY LOVE [RADIO EDI--RICCA
07 1237-00 01:14 PM 02:59 :12 ROCK AND ROLL BAND--BOSTON
09 4009 01:17 PM 00:02 KJZY WHISPER SWEEPER
01 502-18 01:17 PM 03:31 :08 LA GRANGE--ZZ TOP
09 VO09 01:20 PM 00:20 [V] JESSE DEBODY VOICEOVER
03 1161-06 01:21 PM 03:17 :15 MAN OF MY WORD--RAYE, COLLIN
! 82 Delete to 01:24 PM 00:00 :23:00 TIME UPDATE
! 09 7032 01:24 PM 00:30 GRANDY'S
! 09 7020 01:25 PM 00:30 WAL MART

Figure 3-73 UDS II Schedule Editor Swap Example— Swap Completed

To abort the swap, press ESC at any time *before* you press S for the second time.

The start time for each swapped event will be re-calculated based on its new position in the schedule.

Utilities for the UDS II—UDS II Schedule Editor, continued

T—Time Recalculate

The Time Recalculate feature of the UDS II Schedule Editor updates the scheduled start time for every event in the schedule. The Time Recalculate process is based on the run time for each event and the accumulated time in each hour—with the hour starting at :00. This feature is useful for quickly determining the correct approximate start time for an event after a number of events have been deleted, inserted, moved, or swapped in the schedule.

IMPORTANT! Exiting the UDS II Editor and saving any changes will automatically re-calculate the start times using this method, unless you have configured the Editor to do otherwise.

📖 Read *Customizing the Utilities* starting on page 3-76 for details on how to prevent automatic time re-calculation.

Look at the scheduled start times in the example below. Note that the start times do not make sense when compared to the approximate run times for each event in the hour. The Time Recalculate process corrects this problem.

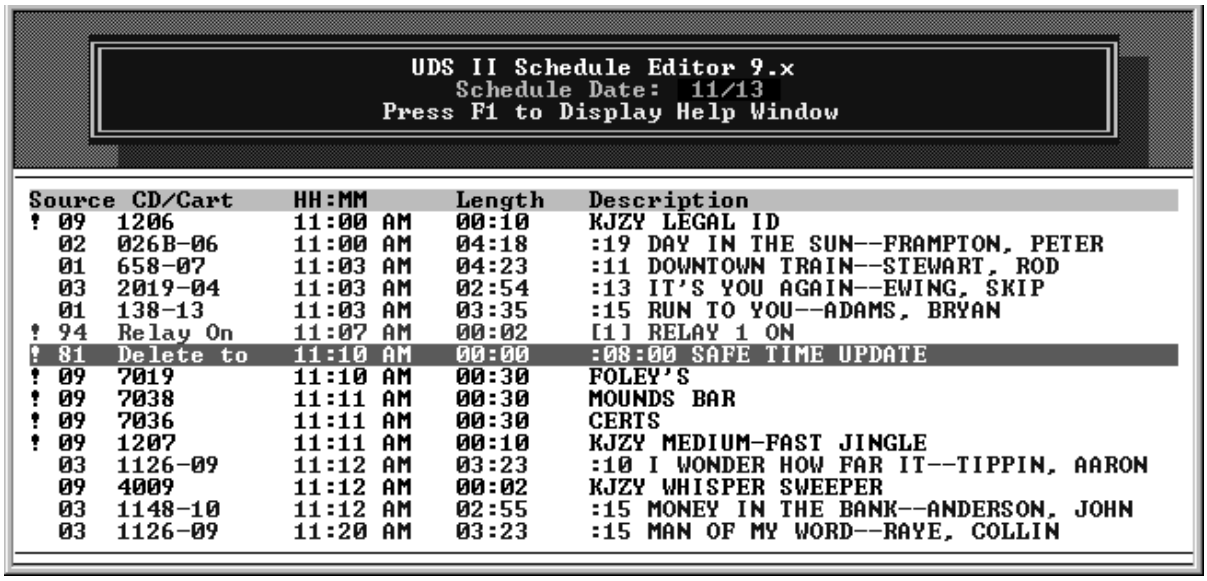

UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
! 09 1206 11:00 AM 00:10 KJZY LEGAL ID
02 026B-06 11:00 AM 04:18 :19 DAY IN THE SUN--FRAMPTON, PETER
01 658-07 11:03 AM 04:23 :11 DOWNTOWN TRAIN--STEWART, ROD
03 2019-04 11:03 AM 02:54 :13 IT'S YOU AGAIN--EWING, SKIP
01 138-13 11:03 AM 03:35 :15 RUN TO YOU--ADAMS, BRYAN
! 94 Relay On 11:07 AM 00:02 [1] RELAY 1 ON
! 81 Delete to 11:10 AM 00:00 :08:00 SAFE TIME UPDATE
! 09 7019 11:10 AM 00:30 FOLEY'S
! 09 7038 11:11 AM 00:30 MOUNDS BAR
! 09 7036 11:11 AM 00:30 CERTS
! 09 1207 11:11 AM 00:10 KJZY MEDIUM-FAST JINGLE
03 1126-09 11:12 AM 03:23 :10 I WONDER HOW FAR IT--TIPPIN, AARON
09 4009 11:12 AM 00:02 KJZY WHISPER SWEEPER
03 1148-10 11:12 AM 02:55 :15 MONEY IN THE BANK--ANDERSON, JOHN
03 1126-09 11:20 AM 03:23 :15 MAN OF MY WORD--RAYE, COLLIN

Figure 3-74 UDS II Schedule Editor Time Recalculate Example— Pre-Recalculation

1. Press T to begin the Time Recalculate process.

Utilities for the UDS II—UDS II Schedule Editor; Time Recalculate, continued

2. The UDS II Editor prompts you to confirm that you wish to update the scheduled start times for every event in the schedule.

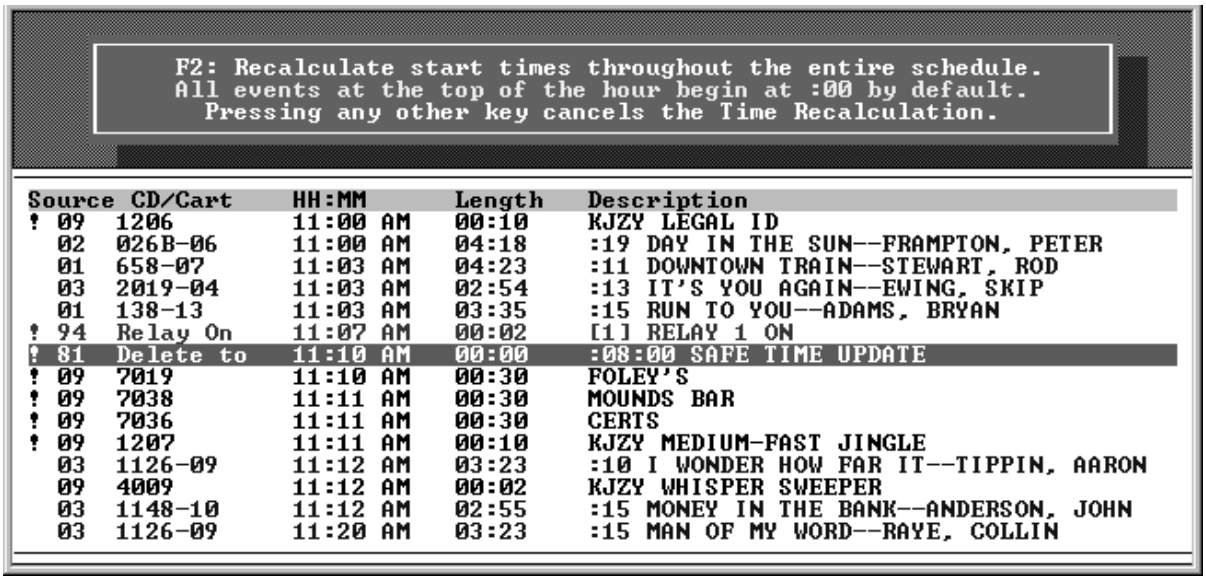

F2: Recalculate start times throughout the entire schedule.
All events at the top of the hour begin at :00 by default.
Pressing any other key cancels the Time Recalculation.
Source CD/Cart HH:MM Length Description
! 09 1206 11:00 AM 00:10 KJZY LEGAL ID
02 026B-06 11:00 AM 04:18 :19 DAY IN THE SUN--FRAMPTON, PETER
01 658-07 11:03 AM 04:23 :11 DOWNTOWN TRAIN--STEWART, ROD
03 2019-04 11:03 AM 02:54 :13 IT'S YOU AGAIN--EWING, SKIP
01 138-13 11:03 AM 03:35 :15 RUN TO YOU--ADAMS, BRYAN
! 94 Relay On 11:07 AM 00:02 [1] RELAY 1 ON
! 81 Delete to 11:10 AM 00:00 :08:00 SAFE TIME UPDATE
! 09 7019 11:10 AM 00:30 FOLEY'S
! 09 7038 11:11 AM 00:30 MOUNDS BAR
! 09 7036 11:11 AM 00:30 CERTS
! 09 1207 11:11 AM 00:10 KJZY MEDIUM-FAST JINGLE
03 1126-09 11:12 AM 03:23 :10 I WONDER HOW FAR IT--TIPPIN, AARON
09 4009 11:12 AM 00:02 KJZY WHISPER SWEEPER
03 1148-10 11:12 AM 02:55 :15 MONEY IN THE BANK--ANDERSON, JOHN
03 1126-09 11:20 AM 03:23 :15 MAN OF MY WORD--RAYE, COLLIN

Figure 3-75 UDS II Schedule Editor Time Recalculate Example— Confirmation

3. Press F2 to confirm this action. Pressing any other key cancels the time re-calculation.

   Please note in the example below that the scheduled start times for each event in the schedule now agree with the approximate run times for each event.

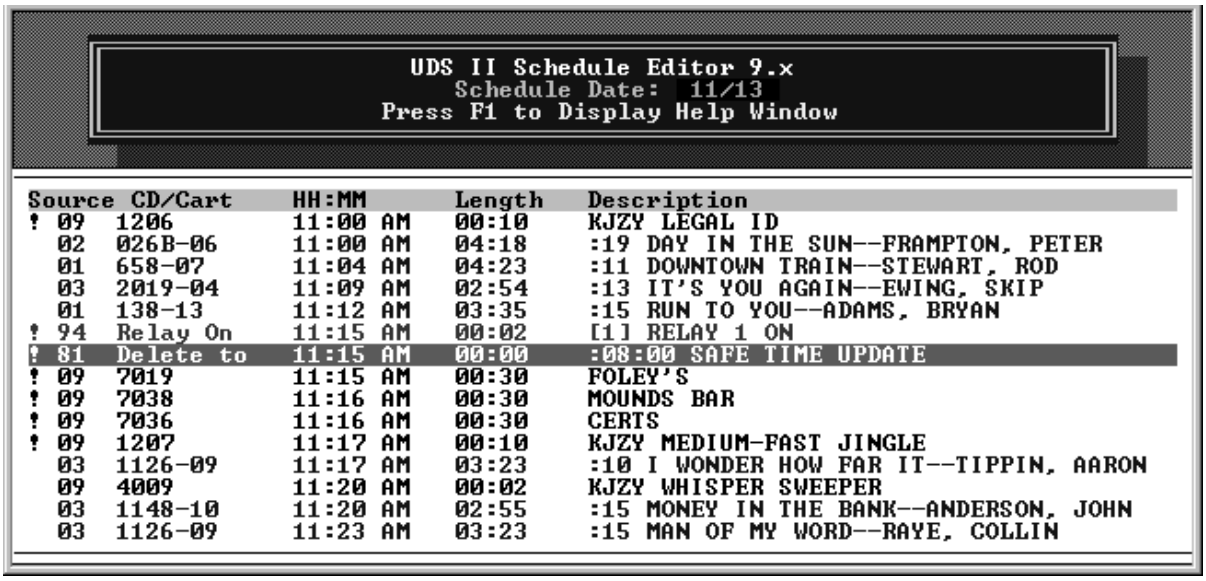

UDS II Schedule Editor 9.x
Schedule Date: 11/13
Press F1 to Display Help Window
Source CD/Cart HH:MM Length Description
! 09 1206 11:00 AM 00:10 KJZY LEGAL ID
02 026B-06 11:00 AM 04:18 :19 DAY IN THE SUN--FRAMPTON, PETER
01 658-07 11:04 AM 04:23 :11 DOWNTOWN TRAIN--STEWART, ROD
03 2019-04 11:09 AM 02:54 :13 IT'S YOU AGAIN--EWING, SKIP
01 138-13 11:12 AM 03:35 :15 RUN TO YOU--ADAMS, BRYAN
! 94 Relay On 11:15 AM 00:02 [1] RELAY 1 ON
! 81 Delete to 11:15 AM 00:00 :08:00 SAFE TIME UPDATE
! 09 7019 11:15 AM 00:30 FOLEY'S
! 09 7038 11:16 AM 00:30 MOUNDS BAR
! 09 7036 11:16 AM 00:30 CERTS
! 09 1207 11:17 AM 00:10 KJZY MEDIUM-FAST JINGLE
03 1126-09 11:17 AM 03:23 :10 I WONDER HOW FAR IT--TIPPIN, AARON
09 4009 11:20 AM 00:02 KJZY WHISPER SWEEPER
03 1148-10 11:20 AM 02:55 :15 MONEY IN THE BANK--ANDERSON, JOHN
03 1126-09 11:23 AM 03:23 :15 MAN OF MY WORD--RAYE, COLLIN

Figure 3-76 UDS II Schedule Editor Time Recalculate Example— Completed

Utilities for the UDS II—UDS II Schedule Editor, continued

ALT F10—Digital Audio Cart Pick List Configuration

The Digital Audio Cart Pick List Configuration feature of the UDS II Schedule Editor allows you to determine which frequently used digital audio events can be inserted into the schedule using the List or Grab features.

You may catalog up to 30 different digital audio events for insertion into the schedule.

1. From the main editing screen, press ALT F10. The UDS II Editor Pick List Configuration window appears.

2. The cursor will be in the first column of the first line. To add a new digital audio event to the list, use the ↑ or ↓ arrow keys to move the cursor to a blank line. To edit a digital audio event, use the ↑ or ↓ arrow keys to move the cursor to the event you wish to edit.

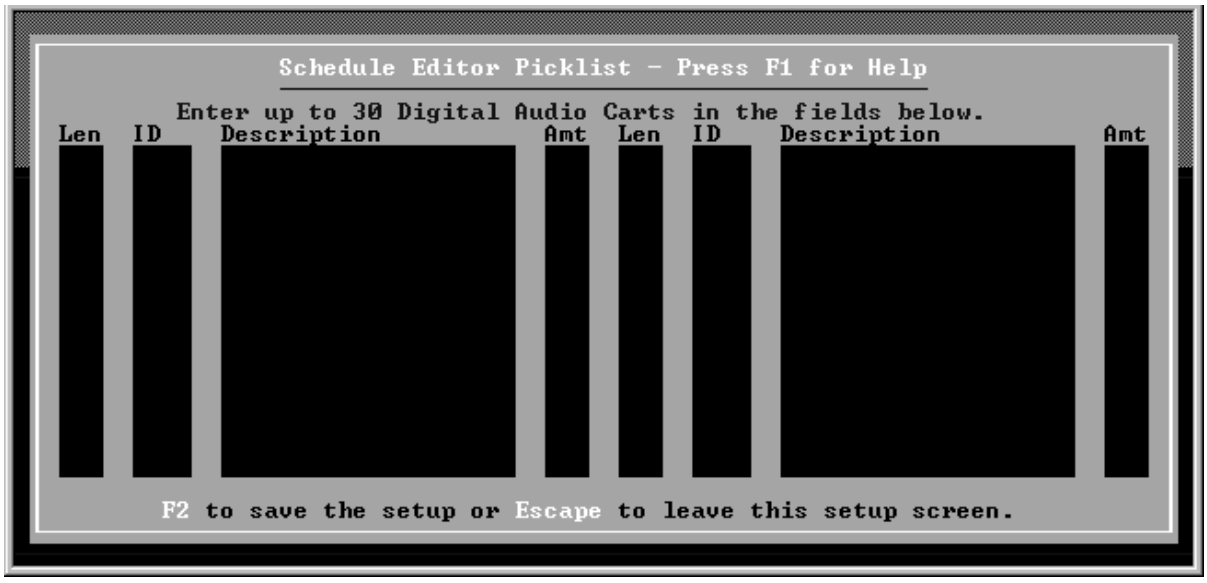

Schedule Editor Picklist - Press F1 for Help
Enter up to 30 Digital Audio Carts in the fields below.
Len ID Description Amt Len ID Description Amt
F2 to save the setup or Escape to leave this setup screen.

Figure 3-77 UDS II Schedule Editor Pick List Configuration Example— New List

Utilities for the UDS II—UDS II Schedule Editor; Digital Audio Cart Pick List, continued

3. Enter the event's length in seconds, four-character cart number, and a brief description of the event. All three of these fields must be entered in order for the event to be a valid pick list item.

   - The length must be greater than zero seconds.
   - The four-character cart number must be precisely four characters.
   - You can not leave the description field blank.

   If the event you enter does not meet these basic requirements, it will not be available for either the List or Grab features.

   Use the tab or ENTER key to move from field to field.

4. Repeat steps two and three until you have added/edited all the events you desire.

   To replace an event you no longer need, type the information for the new event over the old event. A pick list element can be deleted outright by changing the length field to 0 (zero) and then saving the updated pick list by pressing F2.

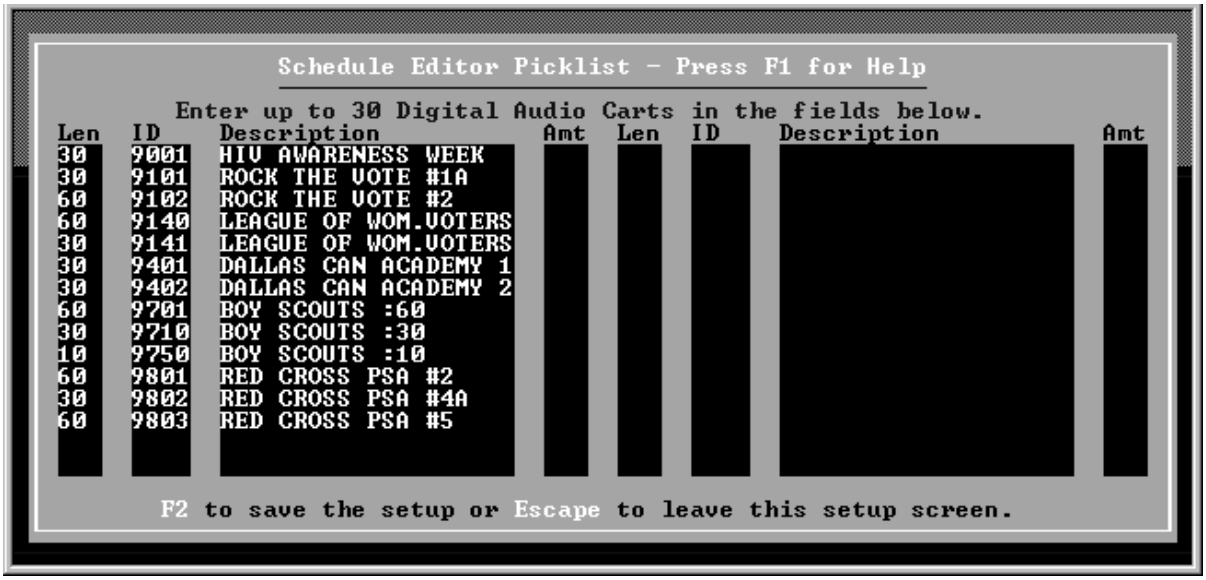

Schedule Editor Picklist - Press F1 for Help
Enter up to 30 Digital Audio Carts in the fields below.
Len ID Description Amt Len ID Description Amt
30 9001 HIV AWARENESS WEEK
30 9101 ROCK THE VOTE #1A
60 9102 ROCK THE VOTE #2
60 9140 LEAGUE OF WOM.VOTERS
30 9141 LEAGUE OF WOM.VOTERS
30 9401 DALLAS CAN ACADEMY 1
30 9402 DALLAS CAN ACADEMY 2
60 9701 BOY SCOUTS :60
30 9710 BOY SCOUTS :30
10 9750 BOY SCOUTS :10
60 9801 RED CROSS PSA #2
30 9802 RED CROSS PSA #4A
60 9803 RED CROSS PSA #5
F2 to save the setup or Escape to leave this setup screen.

Figure 3-78 UDS II Schedule Editor Pick List Configuration Example—Sample List

5. Press F2 to save the list for later use.

The `Amt` field shows how many times each event has been used by the Grab or List features.

Utilities for the UDS II—UDS II Schedule Editor, continued

Fixing Common UDS II Editor Errors

- `There's a problem with this computer: Memory too low! You need 348kb free but have only <x> kb free!`

  Where <x> kb is the amount of RAM available. You may be running the Utilities from inside a DOS shell, or some other program still resides in memory.

  Exit all software to the DOS prompt and type E X I T ENTER . If that does not bring up some other program, reboot the computer and run the Utilities again.

- `There's a problem with this computer: Insufficient disk space! You have <x> kb free but need to have <y> kb available.`

  Where <x> kb is the amount of disk space available and <y> kb is the amount of disk space the program requires to run. The UDS II Schedule Editor needs a certain amount of disk space for temporary files while editing.

  Delete unneeded non-Utilities related files.

- `File Related Error: <message>`

  Where <message> is the computer's technical description of the error, including the name of the file involved. The file either cannot be found or access to the file was denied by the network.

  Make sure the file exists and is not in use by another user.

- `A variable is outside of its normal range: <name of variable>`

  The schedule file has been corrupted, the date is not correct, or a single event is longer than 100 minutes.

  Check the schedule to make sure each event is less than 100 minutes long. Try reconverting the music schedule from Selector and regenerating a new UDS II-compatible music schedule from the Generate feature of the Utilities.

Utilities for the UDS II, continued

T Transfer Completed Schedule

After a schedule has been converted, generated, checked, merged, rechecked, edited, and rechecked, it is ready to be loaded into the Ultimate Digital Studio II. To get the schedule from here (on the music scheduling computer) to there (the UDS II control computer), you must *transfer* the schedule to a diskette or network subdirectory.

Important: Some users make use of a local-area computer network to transfer schedules. These users must transfer their schedules to a special subdirectory on the UDS II control computer. The Transfer utility must also be configured to run on a local-area network.

📖 Read more about using a local area network in *Customizing the Utilities* starting on page 3-76 and *Using Networks with UDS II* in Appendix A of this manual.

➪ To transfer these files via a *diskette*, follow these steps:

1. From the Utilities menu, press T to select Transfer Completed Schedule.

   A screen appears showing the starting and ending dates and times for the current UDS II schedule.

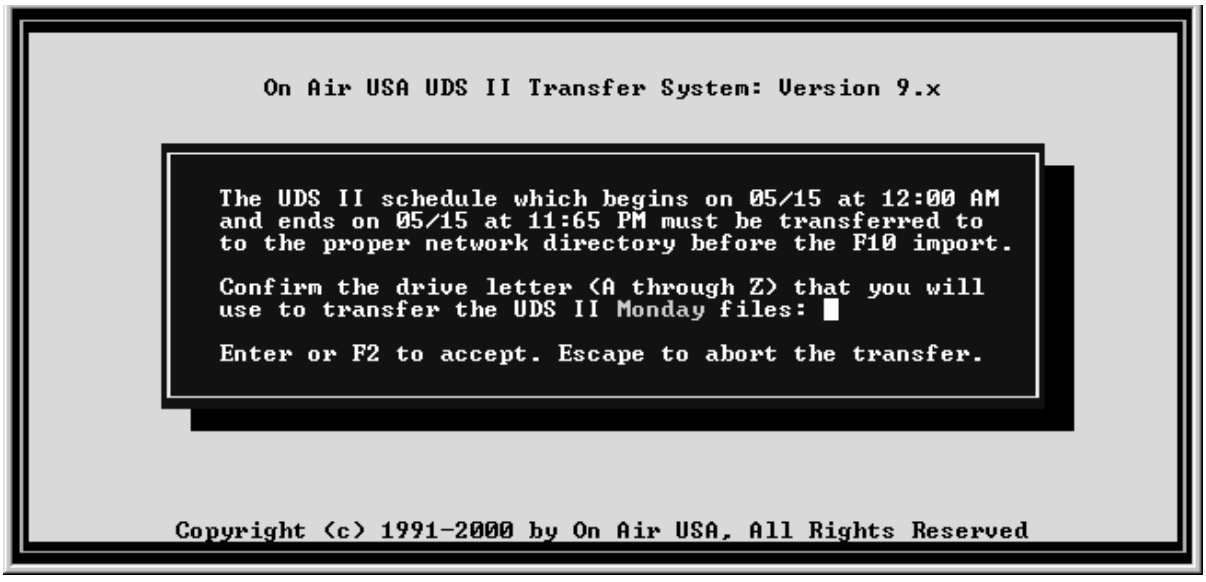

On Air USA UDS II Transfer System: Version 9.x
The UDS II schedule which begins on 05/15 at 12:00 AM
and ends on 05/15 at 11:65 PM must be transferred to
to the proper network directory before the F10 import.
Confirm the drive letter (A through Z) that you will
use to transfer the UDS II Monday files:
Enter or F2 to accept. Escape to abort the transfer.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-79 Transfer Completed Schedule via Diskette— Drive Selection

Utilities for the UDS II—Transfer Completed Schedule, continued

2. Check the starting and ending dates and times for the current UDS II schedule.

   ➪ If the start and end dates and times are correct, type the drive letter for the diskette you are using to transfer the schedule.

   For example, if the schedule transfer diskette is in the B: drive, type B ENTER .

   ➪ If the start and end dates and times are not correct, abort the transfer process by pressing ESC . Convert, generate, check, and merge the correct day's log before trying the Transfer utility again.

3. The Transfer utility displays names of the files and the number of bytes being copied to the transfer diskette.

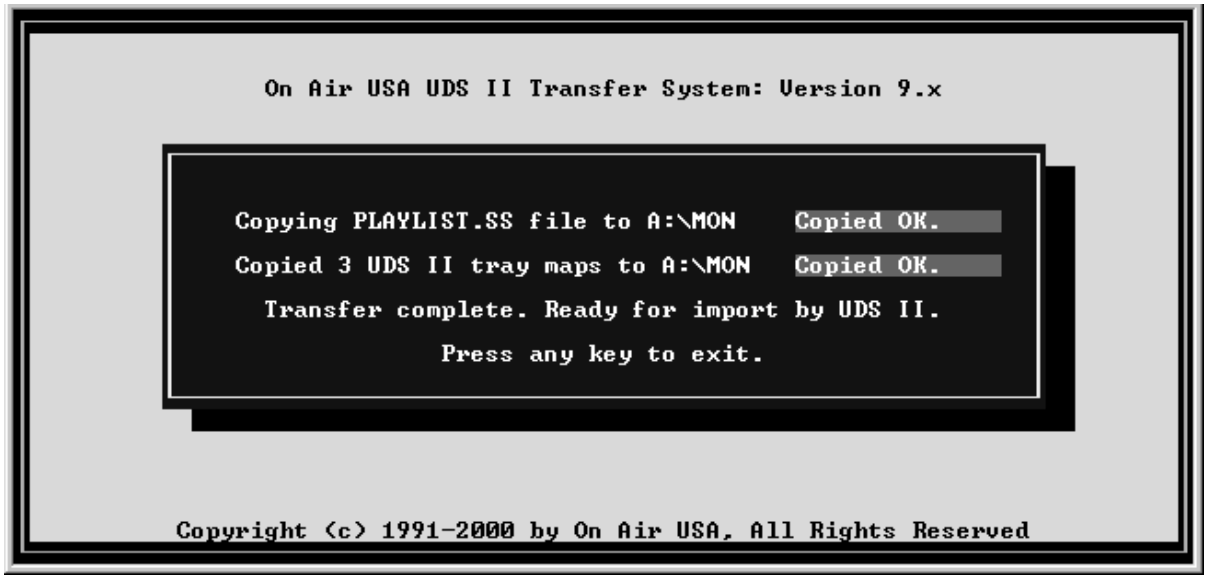

On Air USA UDS II Transfer System: Version 9.x
Copying PLAYLIST.SS file to A:\MON Copied OK.
Copied 3 UDS II tray maps to A:\MON Copied OK.
Transfer complete. Ready for import by UDS II.
Press any key to exit.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-80 Transfer Completed Schedule via Diskette—Completed

When the Transfer utility displays a message stating that the transfer is complete, you may import the files into the UDS II.

Utilities for the UDS II—Transfer Completed Schedule, continued

➪ To transfer these files via a *local-area network*, follow these steps:

1. From the Utilities menu, press T to select Transfer Completed Schedule.

   A screen appears showing the starting and ending dates and times for the current UDS II schedule.

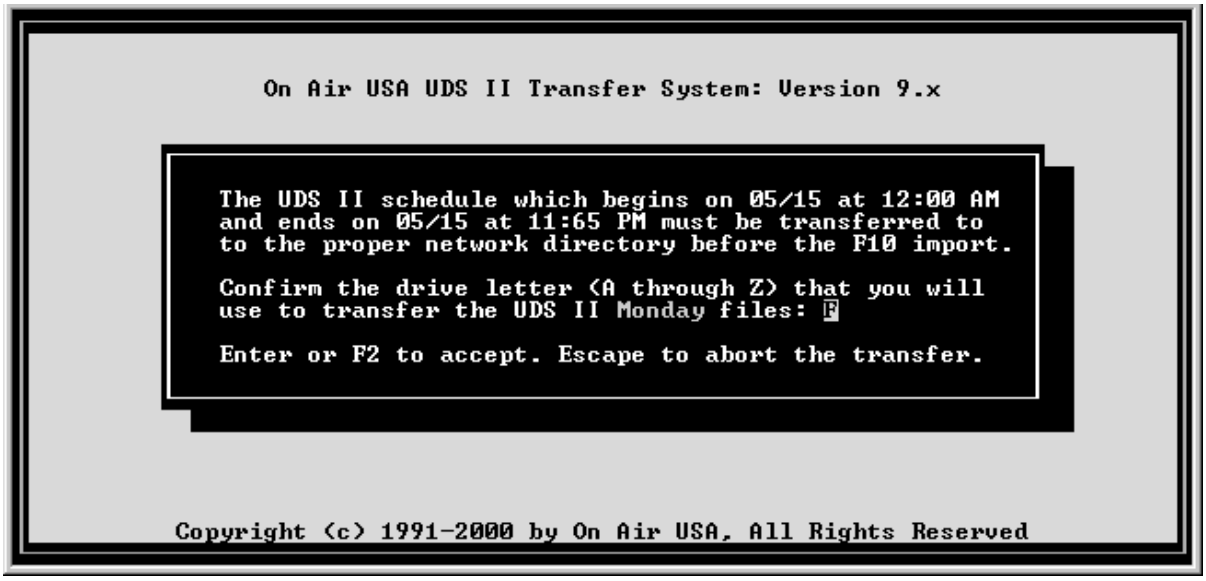

On Air USA UDS II Transfer System: Version 9.x
The UDS II schedule which begins on 05/15 at 12:00 AM
and ends on 05/15 at 11:65 PM must be transferred to
to the proper network directory before the F10 import.
Confirm the drive letter (A through Z) that you will
use to transfer the UDS II Monday files: F
Enter or F2 to accept. Escape to abort the transfer.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-81 Transfer Completed Schedule via Local-Area Network— Drive Selection

2. Check the starting and ending dates and times for the current UDS II schedule.

   ➪ If the start and end dates and times are correct, type the drive letter for the diskette you are using to transfer the schedule.

   For example, if the destination drive on the local-area network is drive F:, type F ENTER .

Important: If you are transferring the schedule across a local-area network, your Selector computer *must* be logged on to the network before attempting the data transfer. Check with your network administrator to be sure that you have rights to both write and create files in the target subdirectory on the UDS II control computer.

   ➪ If the start and end dates and times are not correct, abort the transfer process by pressing ESC . Convert, generate, check, and merge the correct day's log before trying the Transfer utility again.

Utilities for the UDS II—Transfer Completed Schedule, continued

3. The Transfer utility displays the destination path you configured for these files.

   ➪ If this path is correct, press ENTER or F2 to proceed with the transfer process.

   ➪ If this path is *not* correct, type the correct path statement then press ENTER or F2 to proceed with the transfer process. After the transfer process is complete, you should check the configuration for this item and, if necessary, correct it.

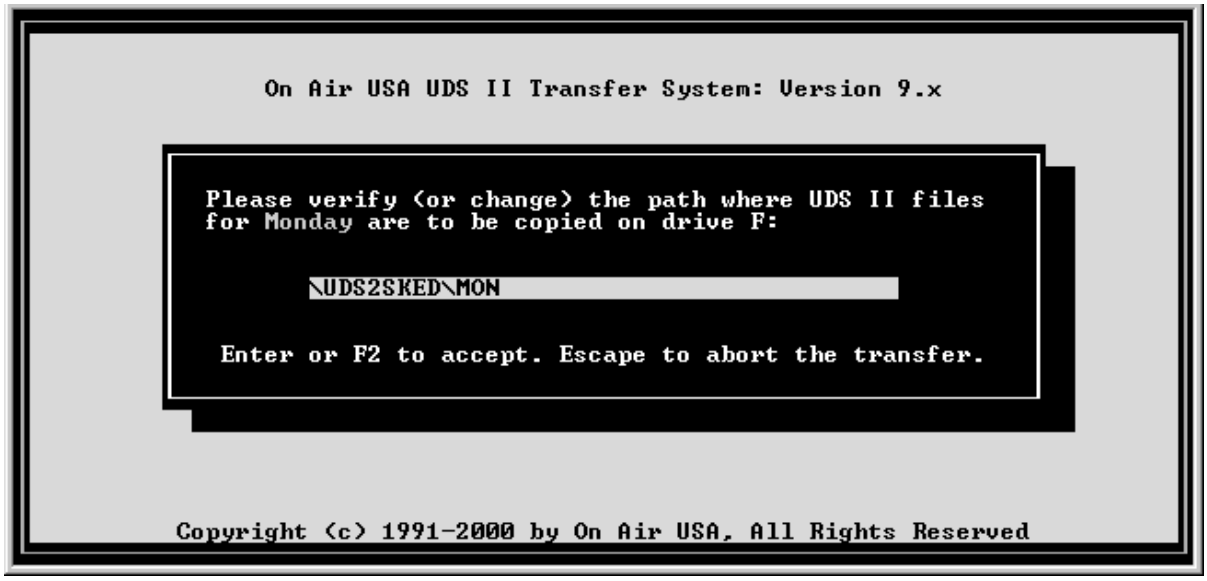

On Air USA UDS II Transfer System: Version 9.x
Please verify (or change) the path where UDS II files for Monday are to be copied on drive F:
\UDS2SKED\MON
Enter or F2 to accept. Escape to abort the transfer.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-82 Transfer Completed Schedule via Local-Area Network— Path Selection

Utilities for the UDS II—Transfer Completed Schedule, continued

4. The Transfer utility displays names of the files and the number of bytes being copied to the destination on the local-area network.

On Air USA UDS II Transfer System: Version 9.x
Copying PLAYLIST.SS file to Drive F: Copied OK.
Copied 3 UDS II tray maps to Drive F: Copied OK.
Transfer complete. Ready for import by UDS II.
Press any key to exit.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-83 Transfer Completed Schedule via Local-Area Network—Completed

When the computer displays a message stating that the transfer is complete, you may import these files into the UDS II.

Utilities for the UDS II—Transfer Completed Schedule, continued

The Files Transferred by Transfer

- `PLAYLIST.SS`

  This file contains the complete event-by-event list of everything that will play or occur on the UDS II for one day.

- `TRAYMAP.XXX`

  These files each contain a map of the location of each disc in the CD changer whose UDS II source number is represented by `XXX`.

- `NEWADDS.DB`

  This file contains significant changes, deletions, or additions to songs made in the Selector music library.

  See *New Adds—Verify UDS II Music Adds, Changes and Deletes* starting on page 3-126 for more details on the New Adds process and how you may view recent New Adds files.

If any of these files already exist on the target disk, they will be overwritten by the Transfer process. This allows you to repeatedly use a single diskette for transfers. However, if you must transfer schedules via diskette, On Air Digital recommends that you use one diskette for each day of the week. This allows you to keep recent schedules available for re-loading.

IMPORTANT! Because the NEWADDS.DB file on the target disk is overwritten each time you transfer the schedule files, it is possible to lose music library changes. The scenario is as follows:

1. A Transfer occurs and the resultant files are *not* loaded into UDS II.
2. Additional changes reports are printed from the Selector music library.
3. The Transfer program is run a second time and the newly created NEWADDS.DB file is copied to the transfer disk, overwriting the first NEWADDS.DB file.

Only the data from the *most recent* NEWADDS.DB file is read by the UDS II when the schedule is imported. After you transfer a schedule, *always* import that schedule into the UDS II. Each time you import the schedule, the UDS II reads the NEWADDS.DB file as well as the schedule files. If you are not pleased with the schedule for some reason, you may continue to re-import subsequent schedules into the UDS II. Each new import overwrites the previous instance of that schedule file but does not undo changes to the music library. By always importing your schedule you will not risk losing any music library changes.

Utilities for the UDS II—Transfer Completed Schedule, continued

Fixing Common Transfer Errors

➪ `This is an UNMERGED schedule!`

You are attempting to transfer a music schedule that has not been merged with a traffic log. The schedule may contain special items, such as rotating breaknotes, which must be processed by the Merge program to function normally.

Press ENTER to continue with the Transfer process only if this schedule contains nothing but music. Otherwise, press ESC to return to the Utilities menu.

➪ `No diskette in Drive X:`

There is no diskette in the drive indicated (represented here by `X`) in the error message.

Insert a diskette, or make sure the diskette is seated properly in the drive.

➪ `Unable to transfer files, not enough room on Drive X:`

There is not enough space on the transfer disk to hold the UDS II schedule files.

Exit to DOS and delete any files currently residing on the transfer disk. If the disk is blank and there is still not enough room, try a higher capacity disk.

➪ `Drive X: is invalid.`

You specified a disk drive (represented here by `X`) that does not exist.

Try a drive letter for an available drive. You may need to log onto the local-area network if you are attempting to transfer to the network drive.

➪ `DOS Critical Error: Drive X:`

There are read/write problems with the diskette target (represented here by `X`).

First, make sure there *is* a diskette in the drive. If there *was* a diskette in the slot, reformat the diskette and try the transfer again. If that fails, discard the diskette and try a new one. If the error persists, the diskette drive itself may be at fault. Reboot the computer, check the CMOS settings, and retry the transfer. If these suggestions do not fix the problem, check with your local computer expert to examine the diskette drive.

If a DOS critical error message occurs while using a network drive, check with your system administrator to ensure that the access rights do indeed permit both write and create permissions for the target network subdirectory.

Utilities for the UDS II, continued

Revise or Review Tray Maps

The Tray Map program stores the location of each compact disc in the UDS II music library. UDS II looks for each CD based upon the information in these tray maps.

For information on configuring or reconfiguring the Tray Maps utility, see *Tray Map Configuration* on page 3-76 of this chapter.

Using Tray Maps

1. From the Utilities main menu, press R to select Revise or Review Tray Maps.

   The Tray Map System window opens and prompts you for a CD player source number.

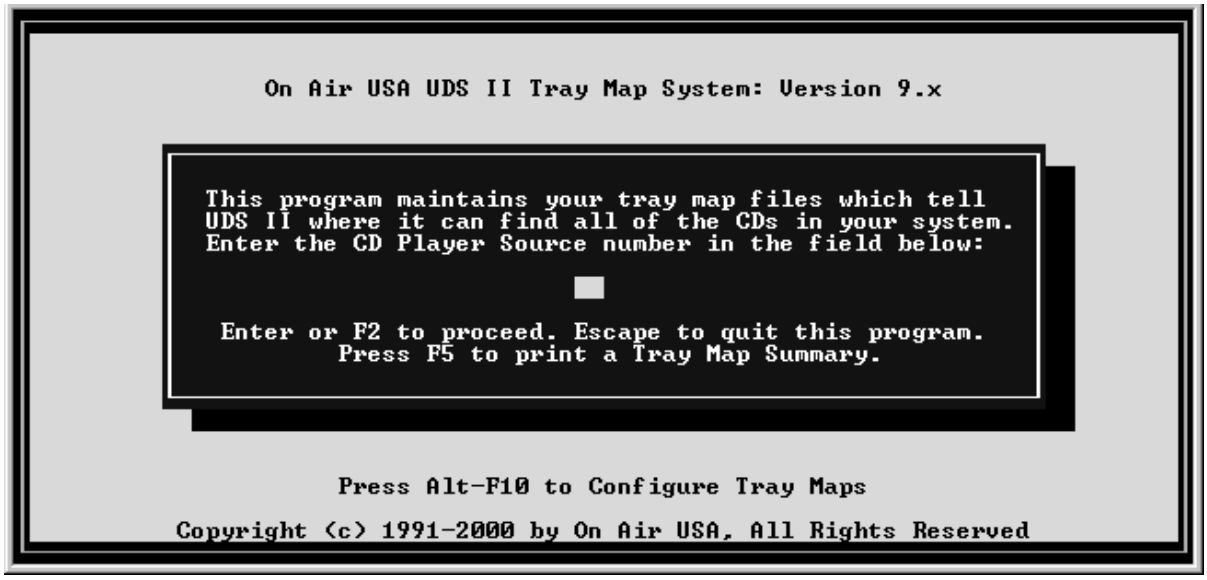

On Air USA UDS II Tray Map System: Version 9.x
This program maintains your tray map files which tell
UDS II where it can find all of the CDs in your system.
Enter the CD Player Source number in the field below:
Enter or F2 to proceed. Escape to quit this program.
Press F5 to print a Tray Map Summary.
Press Alt-F10 to Configure Tray Maps
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-84 Tray Map System Source Selection Window

Important: If you are assigning CDs to dual-player CD changers you may enter the CD IDs in the *lower-numbered* CD source *only*. The Tray Maps program automatically creates the tray map for the second, higher-numbered source as an exact "mirror image" of the first. You will receive an error message if you try to update the higher source.

For example, if sources 01 and 02 are assigned to a Sony CDK-3600 CD changer with two players, the tray map for source 02 is a "mirror image" of the tray map you enter for source 01. You will receive an error message if you try to update source 02 directly, since it is the higher-numbered, mirrored source number.

Utilities for the UDS II—Revise or Review Tray Maps; Using Tray Maps, continued

2. Type the appropriate CD player source number for the CD tray map you wish to create or edit and press ENTER or F2.

   The Tray Map utility displays a screen showing the slots for the requested CD player. The pages that follow show the screens that the Tray Map utility displays when various CD changer models are selected in the source selection window.

   ➪ If you entered a source number corresponding to a Sony CDK-006 CD player, the Tray Map utility displays slot numbers 1 through 60, inclusive. These slot numbers correspond to the numbered slots in the tray.

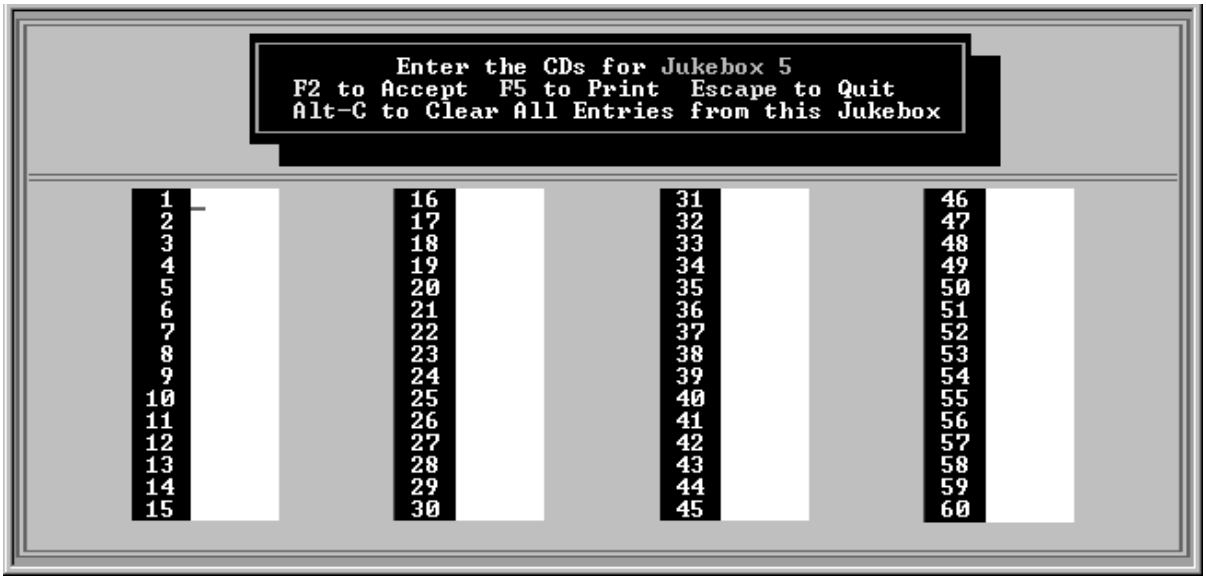


Figure 3-85 Tray Map Slots for a Sony CDK-006

Utilities for the UDS II—Revise or Review Tray Maps; Using Tray Maps, continued

- If you entered a source number corresponding to an NSM 3101AC CD changer, the Tray Map utility displays slot numbers 1 through 100, inclusive. These slot numbers correspond to the numbered slots in the tray.

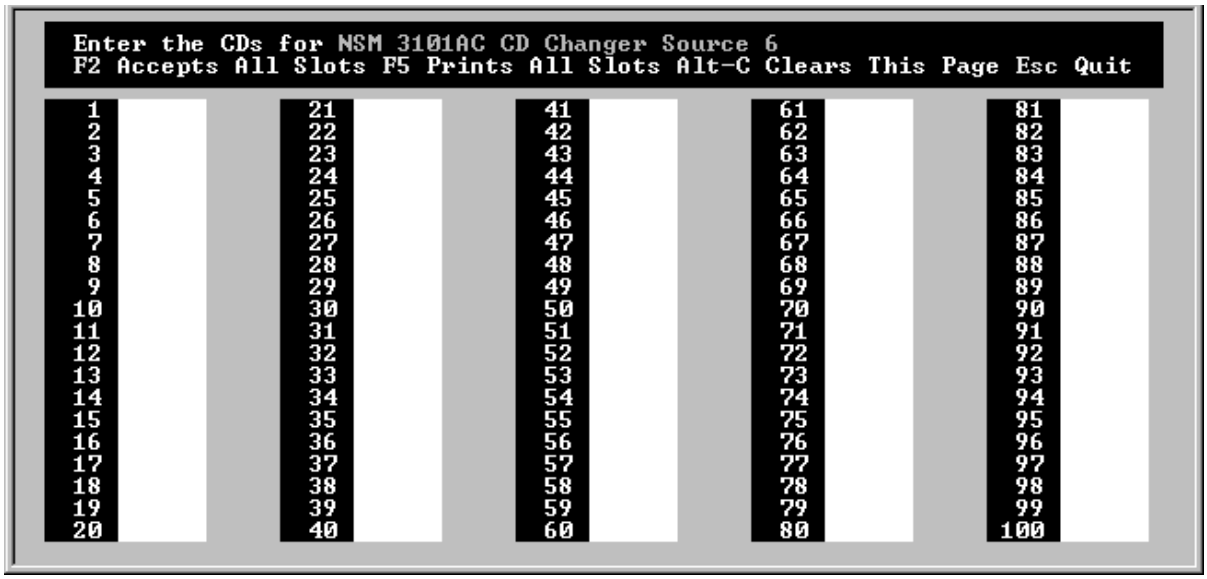


Figure 3-86 Tray Map Slots for an NSM 3101AC

- If you entered a source number for a Sony CDK-3600 CD player, the utility displays slot numbers 1 through 360 across three pages. The first shows slots 1 through 120, inclusive. Use the PG DN and PG UP keys to move from page to page.

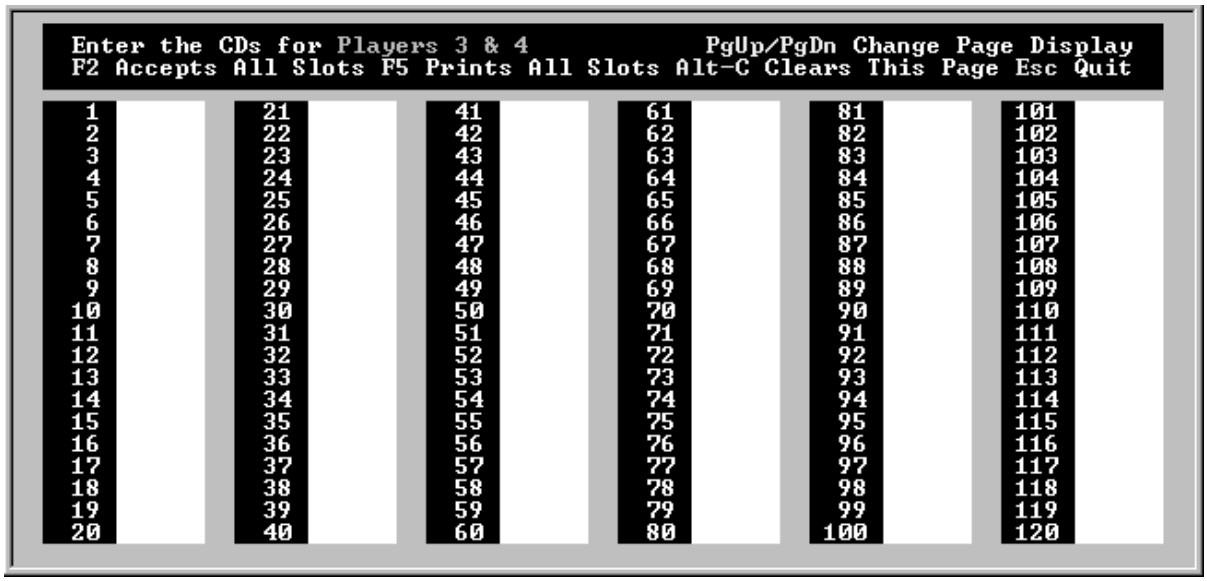


Figure 3-87 Tray Map Slots for a Sony CDK-3600— Page 1 of 3

Utilities for the UDS II—Revise or Review Tray Maps; Using Tray Maps, continued

➪ The second page of a Sony CDK-3600 tray map shows slots 121 through 240.

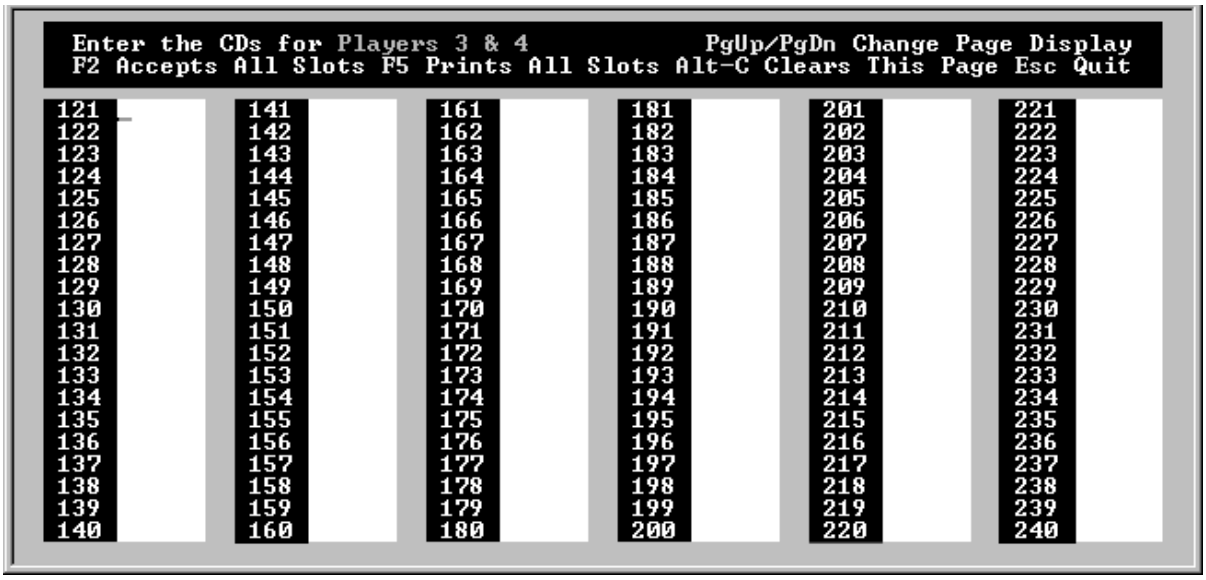


Figure 3-88 Tray Map Slots for a Sony CDK-3600— Page 2 of 3

➪ The third page of a Sony CDK-3600 tray map shows slots 241 through 360. Remember, use the PG UP and PG DN keys to move from page to page.

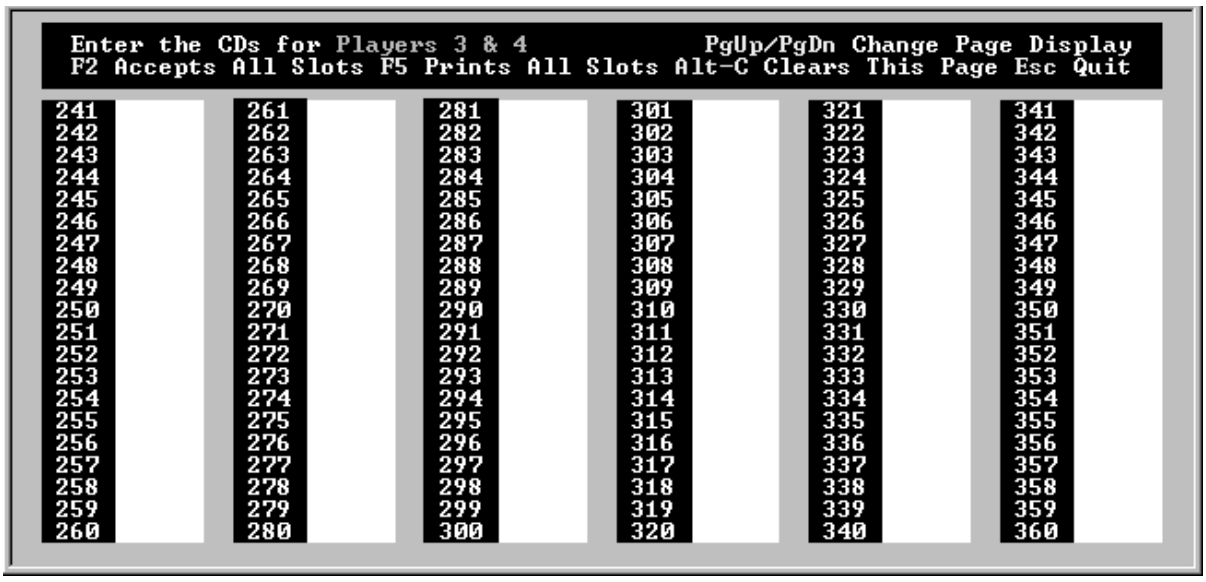


Figure 3-89 Tray Map Slots for a Sony CDK-3600— Page 3 of 3

Utilities for the UDS II—Revise or Review Tray Maps; Using Tray Maps, continued

➪ If you entered a source number for a Denon 1400 CD player, the program displays slot numbers 1 through 200 across two pages. The first shows slots 1 through 100, inclusive. Use the PG DN and PG UP keys to move from page to page.

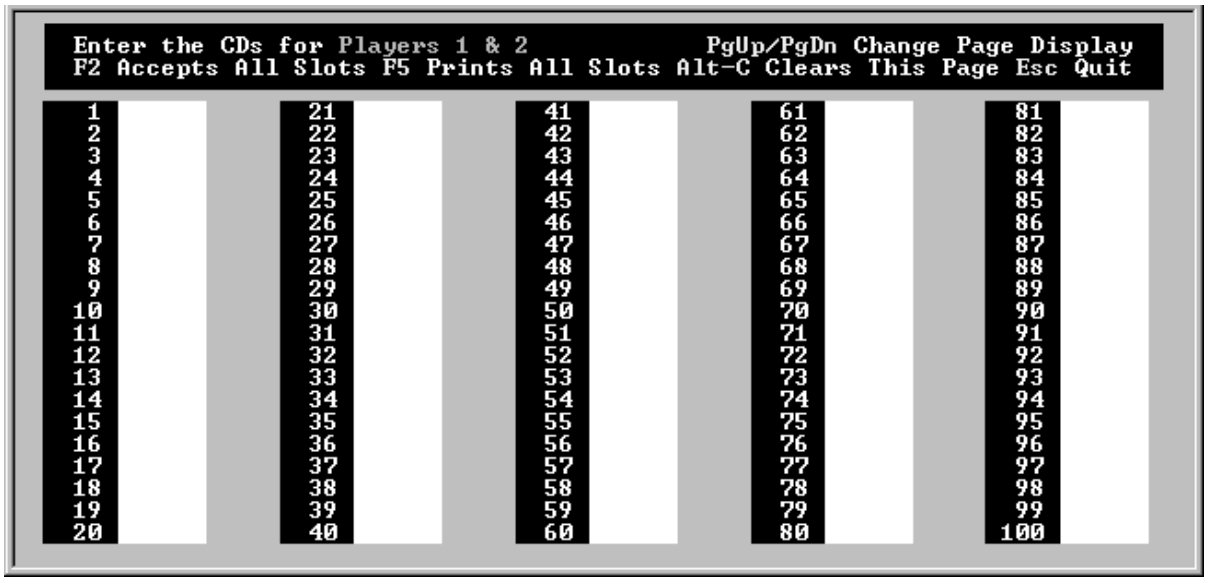


Figure 3-90 Tray Map Slots for a Denon 1400— Page 1 of 2

➪ The second page of a Denon 1400 tray map shows slots 101 through 200, inclusive.

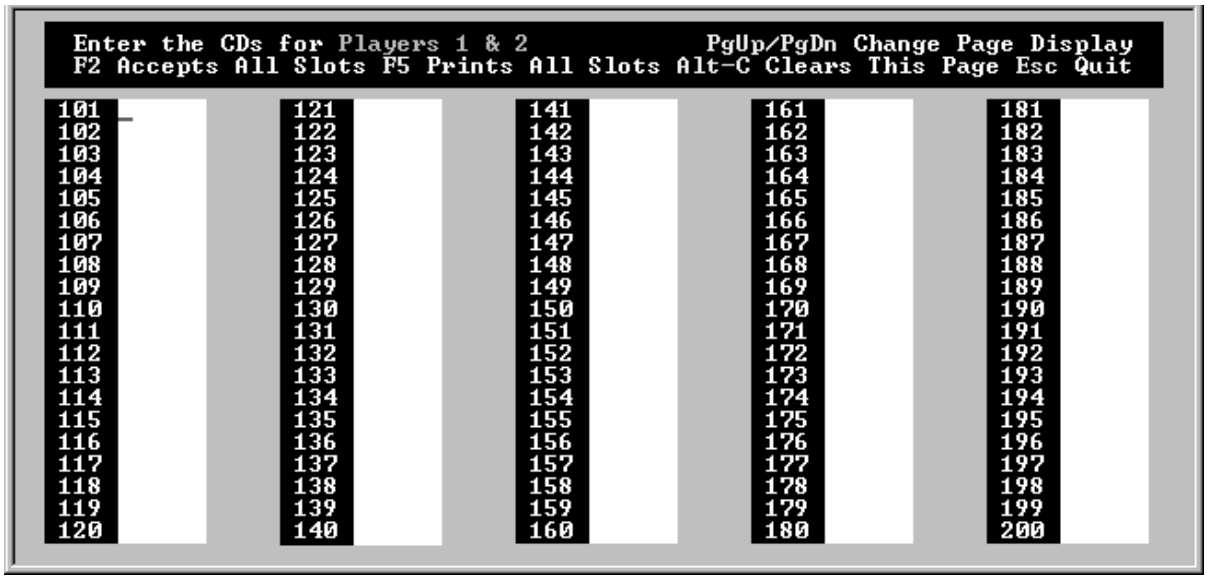


Figure 3-91 Tray Map Slots for a Denon— Page 2 of 2

Utilities for the UDS II—Revise or Review Tray Maps; Using Tray Maps, continued

3. Type the CD identifier number for each CD in the corresponding slot of the tray map.

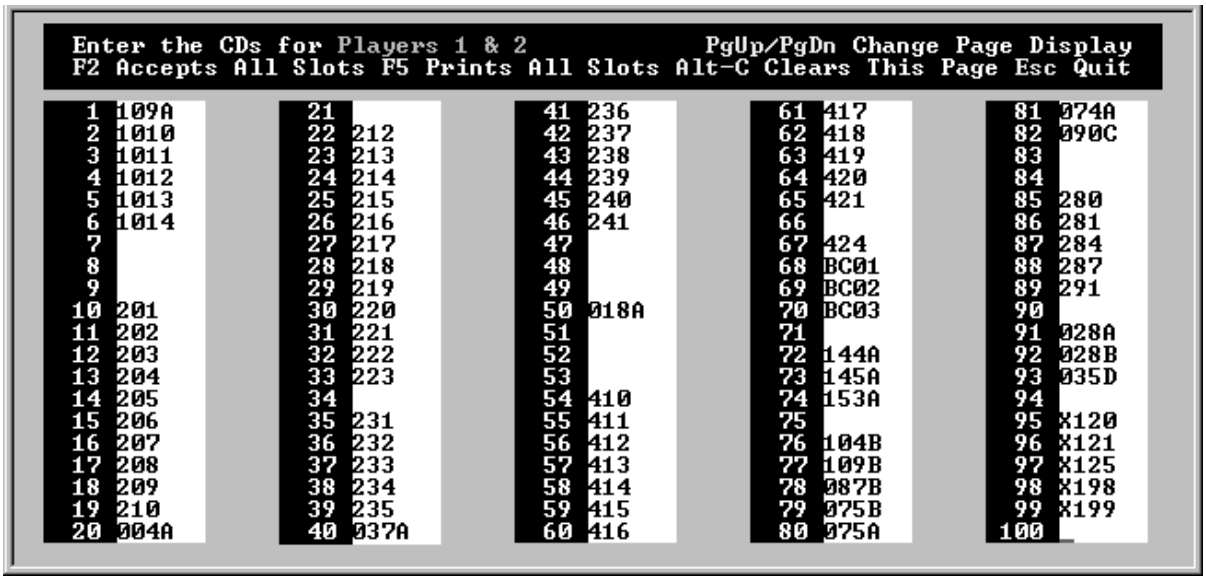


Figure 3-92 Tray Map Example Using Denon 1400

Refer to the following chart to help you move the highlight quickly from slot to slot until you have entered all of the CD identifiers for this CD changer.

Movement Command	*Key to Press*
Move highlight to *next slot*	↓ or ENTER
Move highlight to *previous slot*	↑
Move highlight one column *right*	→
Move highlight one column *left*	SHIFT →
Move highlight to *next page*	PG DN
Move highlight to *previous page*	PG UP
Move highlight to *first* slot on this page	CTRL HOME
Move highlight to *last* slot on this page	CTRL END

4. After the disc identifiers for every CD in this CD player have been entered, press F2 to save the tray map for this machine.

   Remember that you must update source number information manually for each new or changed song in Selector's music library.

Utilities for the UDS II—Revise or Review Tray Maps; Using Tray Maps, continued

5. After saving the tray map information, press ESC to return to the Tray Map CD player selection window.

6. Repeat steps 2 through 5 until all tray map information for each CD source has been entered.

Pressing ESC ends the entry process, canceling any changes made since the tray maps were last saved with F2.

📖 See *Notes on Using Duplicate Libraries* on page 3-193 for details on using duplicate music libraries with UDS II.

IMPORTANT! Removing a CD from a UDS II Tray Map *does not* remove the source number information from Selector. If you wish to remove songs from the UDS II music library, you *must* remove them from Selector and transfer the update via the NEWADDS.DB report.

📖 See *Maintaining the UDS II Music Library* starting on page 3-86 for details on the proper procedure for removing a CD from the tray maps.

📖 If you encountered any problems assigning your tray maps, you may want to refer to the *Notes on Tray Maps* section on page 3-193 or the *Fixing Common Tray Maps Errors* section on page 3-194.

Utilities for the UDS II—Revise or Review Tray Maps, continued

Printing Tray Maps

Print your tray maps to have a guide for when you are physically placing the CDs into the CD players.

To print all tray maps in use:

1. From the Utilities menu, press R to select Revise or Review Tray Maps.
2. Make sure the printer is on-line and loaded with paper.
3. From the Tray Map CD player selection window, press F5 to print all active Tray Maps.
4. Press ESC to return to the System Access menu.

To print a specific tray map:

1. From the Utilities menu, press R to select Revise or Review Tray Maps.
2. From the Tray Map CD player selection window, type the appropriate CD player number in the entry field and press ENTER to accept the entry.
3. Make sure the printer is on-line and loaded with paper.
4. From the CD player tray map, press F5 to begin printing this tray map.

   The data subdirectory name is printed with the tray maps. This is especially helpful for users with multiple installations of Selector and the Utilities for the UDS II.

Utilities for the UDS II—Revise or Review Tray Maps, continued

Notes on Tray Maps

- Only the disc identifier should be entered. The cut numbers must *not* be entered in the tray maps.
- Deleting a CD identifier from the tray maps will not clear the source number field in Selector.
- All of the entries for the displayed tray map may be cleared by pressing ALT C and then F2. Remember, the source number field in Selector's music library is *not cleared.*
- The tray maps m4ust be accurately maintained to reflect the exact position of each CD in the system. A new copy of the tray maps is transferred from your Selector computer to the UDS II each time you transfer a new schedule.
- 🕮 For more information on keeping the music library up to date, please refer to the *Selector User's Manual*.

Notes on Using Duplicate Libraries

- If you are using duplicate music libraries, changes saved in the lower-numbered CD player in a duplicate system are automatically made in the higher-numbered CD player.

  For example, if you are using a 4-player duplicate library system, saving the tray maps for player 1 automatically updates player 2 and saving the tray maps for player 3 automatically updates player 4.
- If you are using an alternating-player duplicate library system, saving the tray maps for player 1 automatically updates the tray maps for player 2. You may not directly edit the tray maps for player 2 or any higher-numbered CD player in a duplicate library pair.

Utilities for the UDS II—Revise or Review Tray Maps, continued

Fixing Common Tray Map Errors

➪ `Source X is not in the Tray Map Definition File.`

The CD player source number you entered (represented here by `X`) is not a valid CD player source number.

You must enter a source number that you defined when you configured the Tray Maps. This prevents the editing a tray map which does not correspond to an allocated source.

➪ `Tray Map program encountered corrupted data.`

The Tray Map program tried to update the Selector music library but found the data unreadable.

Rebuild the music library from Selector. If this fails, restore the last Selector backup or consult Selector technical support for assistance.

➪ `Source X invalid. It must be 1 through 80.`

The source number you have entered (represented here by `X`) is not available as a CD changer source number. The source numbers above 80 have been reserved for breaknote commands and special UDS II functions. Choose another source number.

This error message appears only if you are in the process of the configuring the tray maps or initializing the Utilities for the UDS II.

➪ `Jukebox Y is a mirror image of X.`

The source number you entered (represented by `Y`) is for a CD source that is a duplicate of another CD changer (represented by `X`).

If you wish to edit the CD identifiers in the CD changer on source Y, you must make these changes in the tray map for the CD changer on source X. These edits will affect both CD changers and both tray maps will be updated automatically.

Utilities for the UDS II—System Maintenance

S System Maintenance

This function allows you to generate new music libraries for the UDS II, update the UDS II music library, backup and restore Utilities configuration files, restore previous schedule files, and license the Utilities for the UDS II for use on this Selector scheduling computer.

Getting Started

1. From the Utilities menu, press S to select System Maintenance.

   The System Maintenance menu appears.

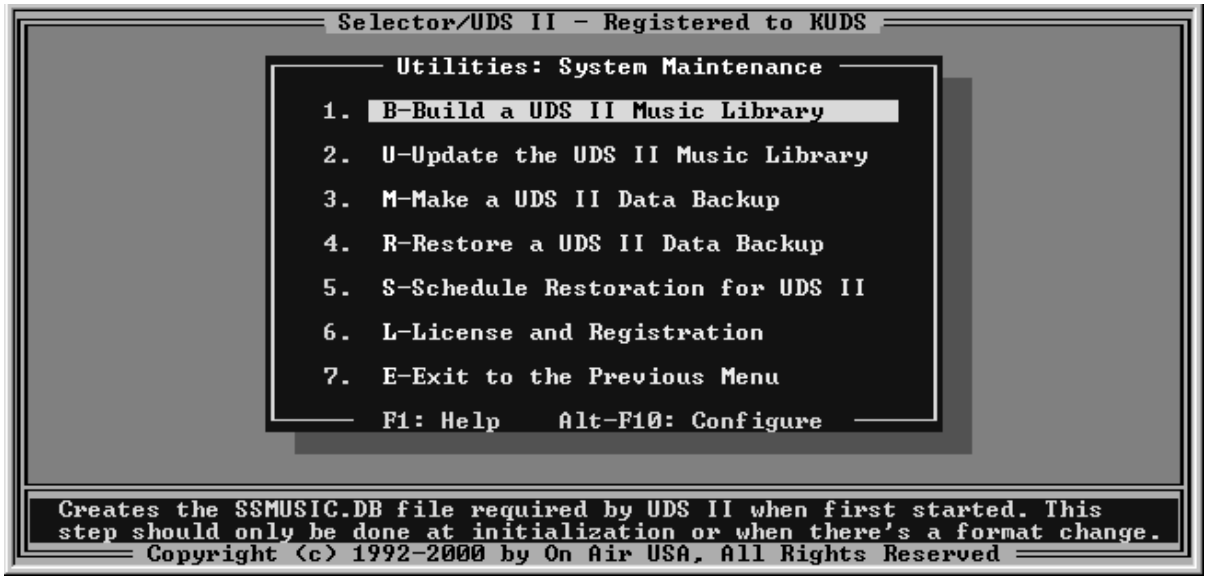

Selector/UDS II - Registered to KUDS
Utilities: System Maintenance
1. B-Build a UDS II Music Library
2. U-Update the UDS II Music Library
3. M-Make a UDS II Data Backup
4. R-Restore a UDS II Data Backup
5. S-Schedule Restoration for UDS II
6. L-License and Registration
7. E-Exit to the Previous Menu
F1: Help Alt-F10: Configure
Creates the SSMUSIC.DB file required by UDS II when first started. This step should only be done at initialization or when there's a format change.
Copyright (c) 1992-2000 by On Air USA, All Rights Reserved

Figure 3-93 System Maintenance Menu

2. From the System menu, press the key corresponding to the feature you wish to use. Or you may use the ↑ and ↓ keys to highlight the feature and press ENTER to execute it.

   - To build a new UDS II music library, press B. Details begin on page 3-196.
   - To update the UDS II music library, press U. Details begin on page 3-201.
   - To backup the UDS II-related data files, press M. Details begin on page 3-203.
   - To restore the UDS II-related data files, press R. Details begin on page 3-206.
   - To use the schedule restoration feature, press S. Details begin on page 3-209.
   - To license and register the Utilities, press L. Details begin on page 3-211.

Utilities for the UDS II—System Maintenance, continued

B—Build a New UDS II Music Library

Note: This option is used only when you are first setting up the UDS II or you wish to make a large number of changes (50 or more) at any one time in your music library. After initial music library installation, Selector and the Utilities work together every day to keep the UDS II music library accurate and up-to-date.

📖 If these directions look familiar, it is because you used a similar sequence of steps to generate your initial UDS II music library in the *Create the UDS II Music Library Database* section beginning on page 3-86 of this chapter.

Before you may use the Build utility, you must first create a current ASCII copy of the Selector Music library. Follow these steps to create this critical file:

1. From the Selector main menu, press S to open the Schedule Music menu.
2. From the Schedule Music menu, press I to open the Interface Utilities menu.
3. From the Interface Utilities menu, use the ↓ key to highlight `MS2ASC` then press ENTER to begin the database creation process. Selector displays version and directory information on a new screen.
4. Press SPACE to convert the music library. Selector counts the songs as they are converted and displays diagnostic information. When the conversion is complete, Selector reports `Press Any Key to Return to Selector.`
5. Press SPACE to return to Selector then press ESC twice to return to the main menu.

Now that the current ASCII copy of the Selector Music library has been created, follow these steps to build the new UDS II music library file:

1. From the Selector main menu, press R to choose Return then press U to select the UDSMenu option. This option starts the Utilities for the UDS II.
2. From the Utilities for the UDS II main menu, press S to choose System Maintenance.
3. From the System Maintenance menu, press B to choose Build a UDS II Music Library.

Utilities for the UDS II—System Maintenance; Build a New UDS II Music Library, continued

4. The Music Library Conversion screen displays a dialog box showing the date and time of the most recently created `LIBRARY.ASC` file. If this matches the date and time at which you created this file, press ENTER or F2 to proceed.

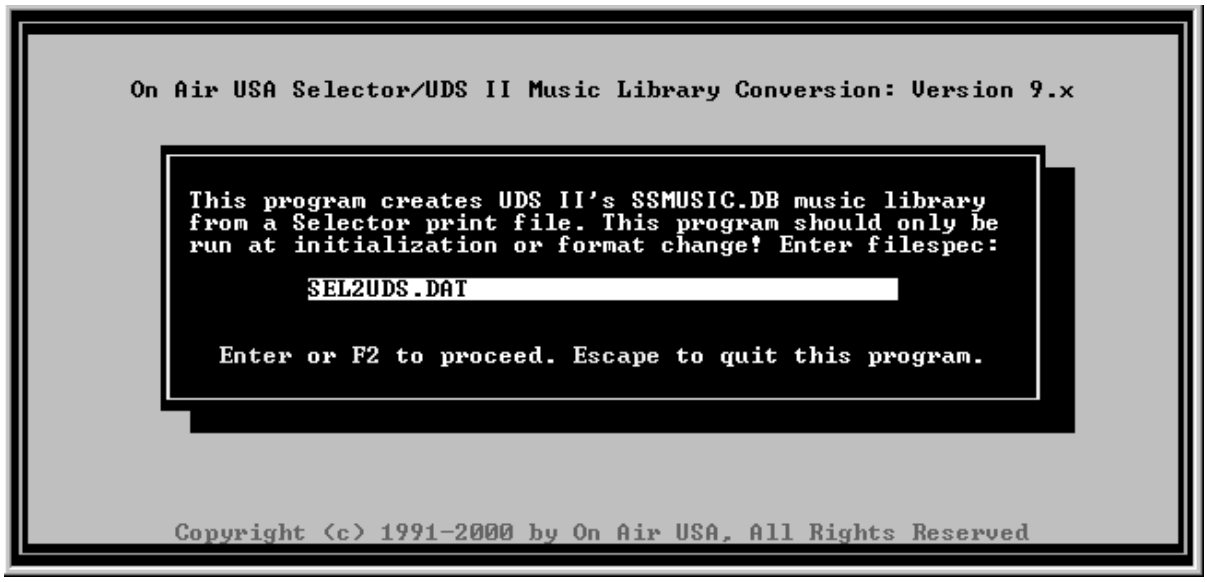

On Air USA Selector/UDS II Music Library Conversion: Version 9.x
This program creates UDS II's SSMUSIC.DB music library from a Selector print file. This program should only be run at initialization or format change! Enter filespec:
SEL2UDS.DAT
Enter or F2 to proceed. Escape to quit this program.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-94 Build—Music Library Conversion Dialog Box

If your computer's date and time are set correctly, the date and time reported for this file should closely match the current time. If the date and time do *not* match, check the date and time as reported on the main menu screen of Selector for accuracy.

Utilities for the UDS II—System Maintenance; Build a New UDS II Music Library, continued

5. The Utilities will count songs as it converts the `LIBRARY.ASC` file from Selector into the `SSMUSIC.DB` file that will be loaded into the UDS II control computer.

   When the conversion process is complete, you can view or copy the converted file.

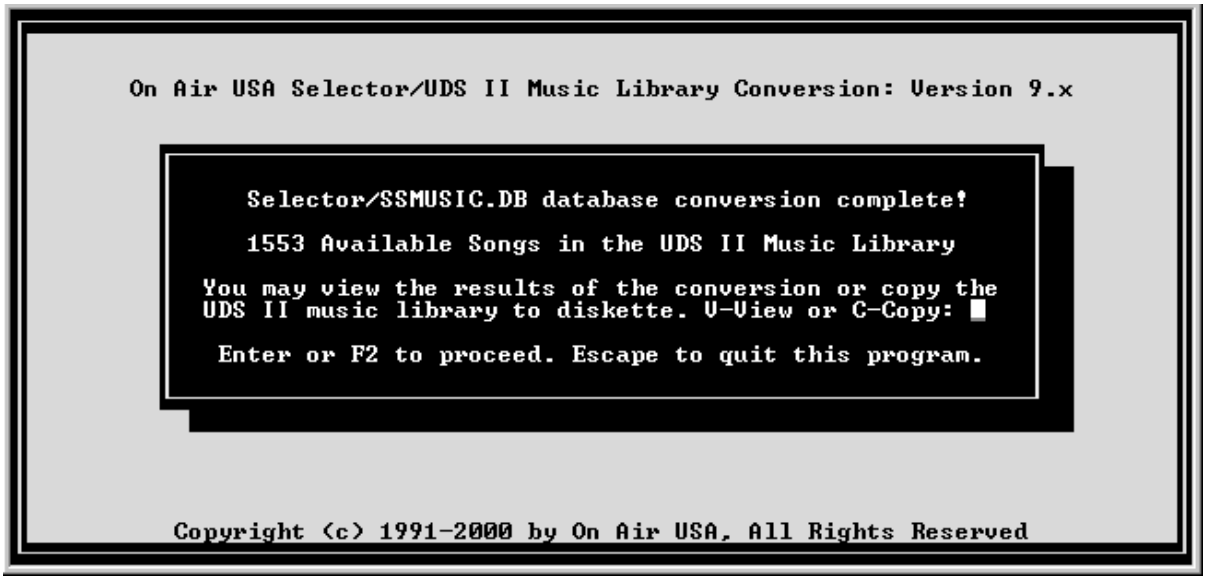

On Air USA Selector/UDS II Music Library Conversion: Version 9.x
Selector/SSMUSIC.DB database conversion complete!
1553 Available Songs in the UDS II Music Library
You may view the results of the conversion or copy the UDS II music library to diskette. V-View or C-Copy:
Enter or F2 to proceed. Escape to quit this program.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-95 Build— Music Library Conversion View/Copy Select Screen

6. Visually confirm that your music library was properly converted by pressing V ENTER to view a text copy of the `SSMUSIC.DB` data file.

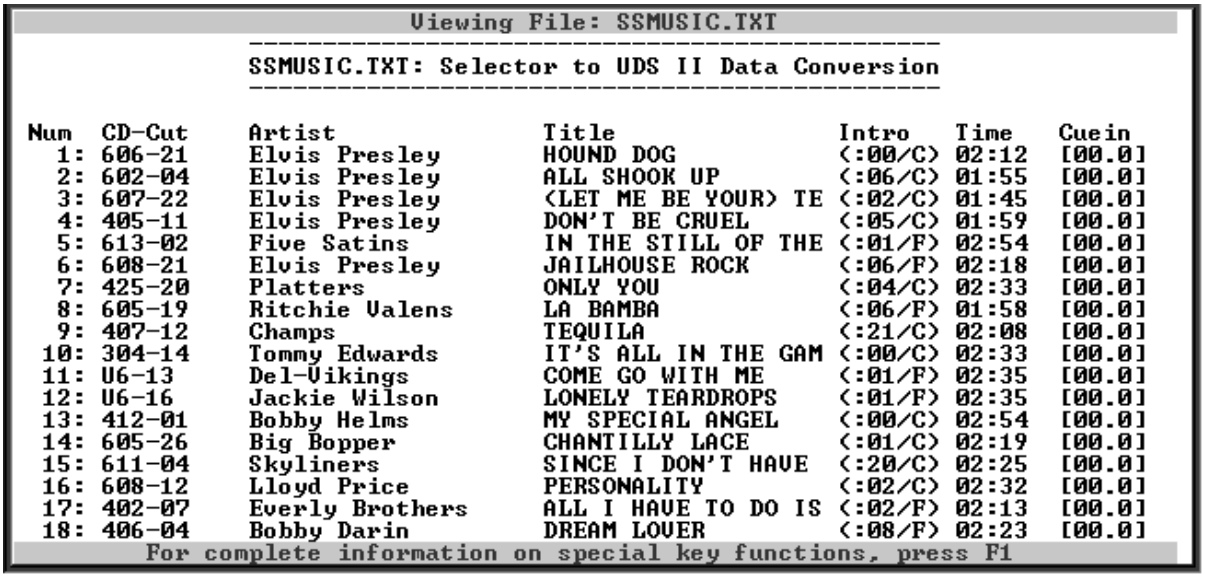

Viewing File: SSMUSIC.TXT
SSMUSIC.TXT: Selector to UDS II Data Conversion
Num CD-Cut Artist Title Intro Time Cuein
1: 606-21 Elvis Presley HOUND DOG (:00/C) 02:12 [00.0]
2: 602-04 Elvis Presley ALL SHOOK UP (:06/C) 01:55 [00.0]
3: 607-22 Elvis Presley (LET ME BE YOUR) TE (:02/C) 01:45 [00.0]
4: 405-11 Elvis Presley DON'T BE CRUEL (:05/C) 01:59 [00.0]
5: 613-02 Five Satins IN THE STILL OF THE (:01/F) 02:54 [00.0]
6: 608-21 Elvis Presley JAILHOUSE ROCK (:06/F) 02:18 [00.0]
7: 425-20 Platters ONLY YOU (:04/C) 02:33 [00.0]
8: 605-19 Ritchie Valens LA BAMBA (:06/F) 01:58 [00.0]
9: 407-12 Champs TEQUILA (:21/C) 02:08 [00.0]
10: 304-14 Tommy Edwards IT'S ALL IN THE GAM (:00/C) 02:33 [00.0]
11: U6-13 Del-Vikings COME GO WITH ME (:01/F) 02:35 [00.0]
12: U6-16 Jackie Wilson LONELY TEARDROPS (:01/F) 02:35 [00.0]
13: 412-01 Bobby Helms MY SPECIAL ANGEL (:00/C) 02:54 [00.0]
14: 605-26 Big Bopper CHANTILLY LACE (:01/C) 02:19 [00.0]
15: 611-04 Skyliners SINCE I DON'T HAVE (:20/C) 02:25 [00.0]
16: 608-12 Lloyd Price PERSONALITY (:02/C) 02:32 [00.0]
17: 402-07 Everly Brothers ALL I HAVE TO DO IS (:02/F) 02:13 [00.0]
18: 406-04 Bobby Darin DREAM LOVER (:08/F) 02:23 [00.0]
For complete information on special key functions, press F1

Figure 3-96 Build— Sample View of a Converted Music Library

Utilities for the UDS II—System Maintenance; Build a New UDS II Music Library, continued

Press ESC to return to the View/Copy select screen when you are satisfied that the conversion was a success.

7. From the View/Copy select screen, press C ENTER to begin the database copying process.

8. Select the drive to which you wish to copy the database file.

   ➪ To copy the file to a diskette, type A ENTER or B ENTER, depending on whether the diskette is in the A: or B: diskette drive, respectively.

   IMPORTANT: If transferring the database file by diskette you must ensure that this diskette can be used by both the Selector and the UDS II computers. Most UDS II computers use 3.5" 1.44Mb diskettes.

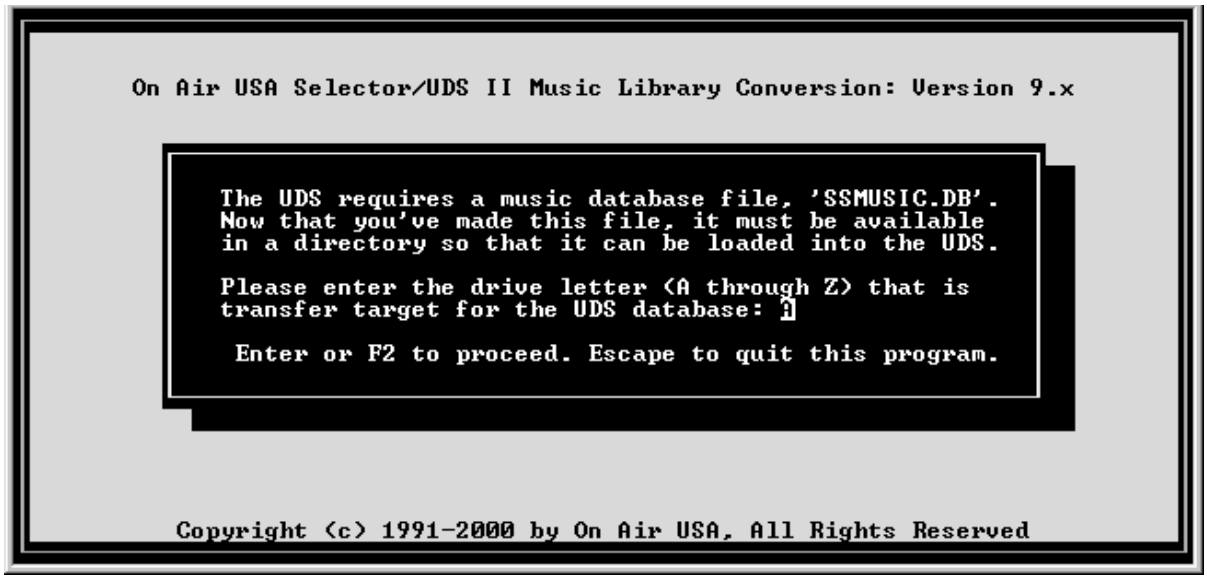

On Air USA Selector/UDS II Music Library Conversion: Version 9.x
The UDS requires a music database file, 'SSMUSIC.DB'.
Now that you've made this file, it must be available
in a directory so that it can be loaded into the UDS.
Please enter the drive letter (A through Z) that is
transfer target for the UDS database: A
Enter or F2 to proceed. Escape to quit this program.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-97 Build— Music Library Conversion Drive Selection Screen

   ➪ To copy the file to a network drive, type the drive letter you have set up for UDS II schedule transfer on your local area network and press ENTER. The Utilities display a dialog box asking you to specify the destination path of the file. Press ENTER to accept the previously configured path and copy the new music library file to the UDS II schedule transfer directory.

The Utilities take a moment to compress the database into a self-extracting executable file called `SSMUSIC.EXE` then copy that file to the destination you specified.

Utilities for the UDS II—System Maintenance; Build a New UDS II Music Library, continued

On Air USA Selector/UDS II Music Library Conversion: Version 9.x
Now creating self-extracting compressed archive of
UDS database file: SSMUSIC.DB.
Creating archive : SSMUSIC.LZH
Freezing SSMUSIC.DB .....
Freezing SSMUSIC.DB ooooooooooooooooooooooooooooooo
ooooooooooooo
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-98 Build— Music Library File Compression and Copying

9. When the `SSMUSIC.EXE` file has been successfully copied, press SPACE to continue.

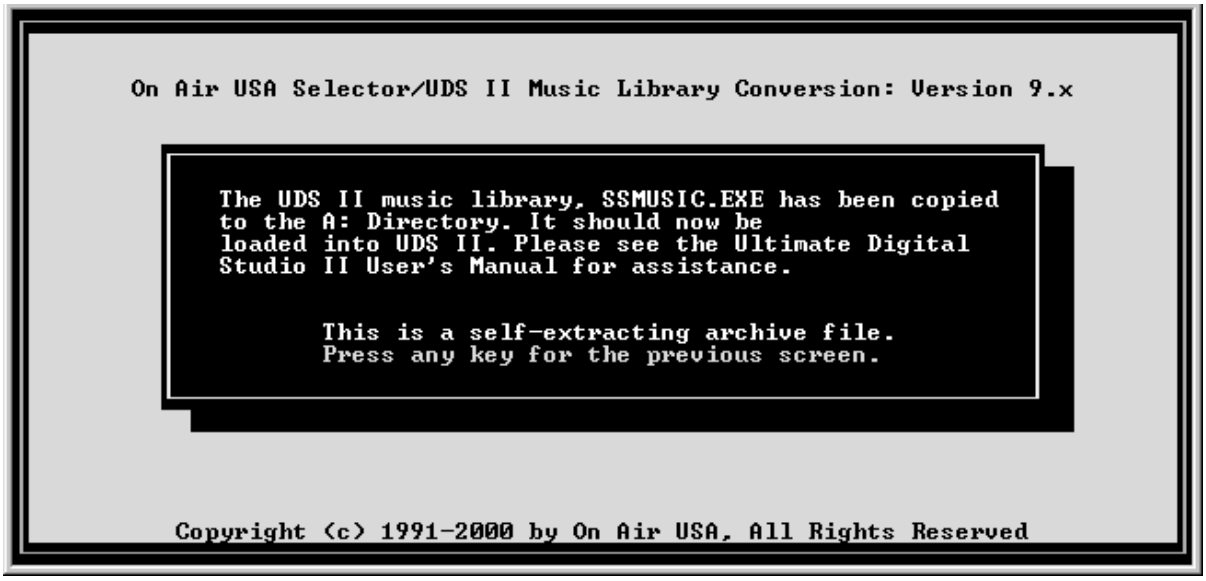

On Air USA Selector/UDS II Music Library Conversion: Version 9.x
The UDS II music library, SSMUSIC.EXE has been copied
to the A: Directory. It should now be
loaded into UDS II. Please see the Ultimate Digital
Studio II User's Manual for assistance.
This is a self-extracting archive file.
Press any key for the previous screen.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-99 Build— Music Library Copying Completed

10. Press ESC three times to return to the Selector main menu.

📖 For details on installing this music library on the UDS II control computer, see *Installing the UDS II Music Library* in Chapter Four of this manual.

Utilities for the UDS II—System Maintenance, continued

U—Update the UDS II Music Library

This option allows you to use the Utilities for the UDS II to update your music library without making corresponding changes in Selector. This feature is included for backward-compatibility with older, legacy versions of Selector. These older versions of Selector did not automatically generate the NEWADDS.DB file. The NEWADDS.DB file serves to keep the UDS II music library in synch with Selector.

IMPORTANT: If your version of Selector generates the NEWADDS.DB file when songs are added, deleted, or changed then you ***must not*** use this feature!

Note: If your version of Selector does *not* create NEWADDS.DB, contact A-Ware for an update to the current, UDS II-friendly version of the Selector scheduling software.

1. From the System menu, press U to select Update the UDS II Music Library.

   The UDS II Database Maintenance screen appears.

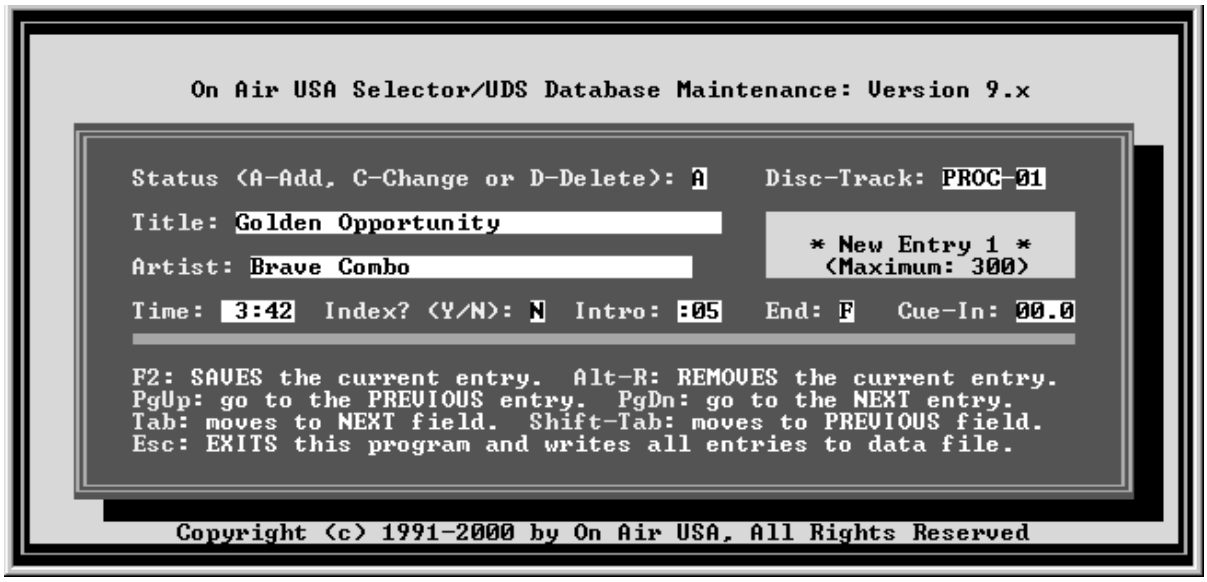

On Air USA Selector/UDS Database Maintenance: Version 9.x
Status (A-Add, C-Change or D-Delete): A
Disc-Track: PROG-01
Title: Golden Opportunity
Artist: Brave Combo
* New Entry 1 *
(Maximum: 300)
Time: 3:42
Index? (Y/N): N
Intro: :05
End: F
Cue-In: 00.0
F2: SAVES the current entry. Alt-R: REMOVES the current entry.
PgUp: go to the PREVIOUS entry. PgDn: go to the NEXT entry.
Tab: moves to NEXT field. Shift-Tab: moves to PREVIOUS field.
Esc: EXITS this program and writes all entries to data file.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-100 System Maintenance— Update Music Library Example

2. Enter the code for the type of update you are making to the UDS II music library in the `Status` field:
   - Type A to *add* a new song to the music library.
   - Type C to *change* an existing song in the music library.
   - Type D to delete an existing song from the music library.

Utilities for the UDS II—System Maintenance; Update the UDS II Music Library, continued

3. Enter the disc identifier and track number for song in the `Disc-Track` field.

   Note: If this is a song on UDS-HD music on hard-drive, enter the track as 0 0.

4. Type the title of the song in the `Title` field.

   Press ENTER to continue to the next entry field.

5. Type the artist's name in the `Artist` field.

   Press ENTER to continue to the next entry field.

6. Enter the length of the song, in minutes and seconds, in the `Time` field.

7. Enter the code for the method of compact disc segues in the `Index? (Y/N)` field:

   - Type Y for CDs with embedded index subcodes (such as TM Century GoldDiscs).
   - Type N for commercial and other CDs that must segue based on run time.

8. Enter the length of the intro, in seconds, in the `Intro` field.

9. Enter the code for the type of ending for this song in the `End` field:

   - Type C for cold endings.
   - Type F for fade endings.

10. Enter the length, in seconds and tenths-of-seconds, of the cue-in for this song in the `Cue-In` field.

    If you do not wish to set a special cue-in time for this song, enter 0 0 0.

11. Confirm that the information you have entered is correct then press F2 to save this music library update to disk.

You may continue making updates, up to 300 at one time, or press ESC to return to the System Maintenance menu. You can return and enter more music library updates or modify the current list of updates at any time before the current schedule is transferred.

To remove errant update entries at any time before the schedule is transferred, use the PG UP and PG DN keys to display the music library update you wish to remove. Press ALT R to remove this entry from the update list.

Utilities for the UDS II—System Maintenance, continued

M—Make a UDS II Data Backup

This option allows you to archive the Utilities for the UDS II-specific data files from your hard drive to a diskette for safe keeping. This data includes the Utilities and the Merge configuration files, your tray maps, and the latest schedule.

A data backup preserves information not saved by a Selector data backup. If you wish to move Selector and the Utilities to another computer, or if you have difficulties with your current Selector computer, this backup allows you to resume normal operations quickly and with a minimum of trouble.

1. From the System menu, press M to select Make a UDS II Data Backup.

   The UDS II Data Files Backup screen appears.

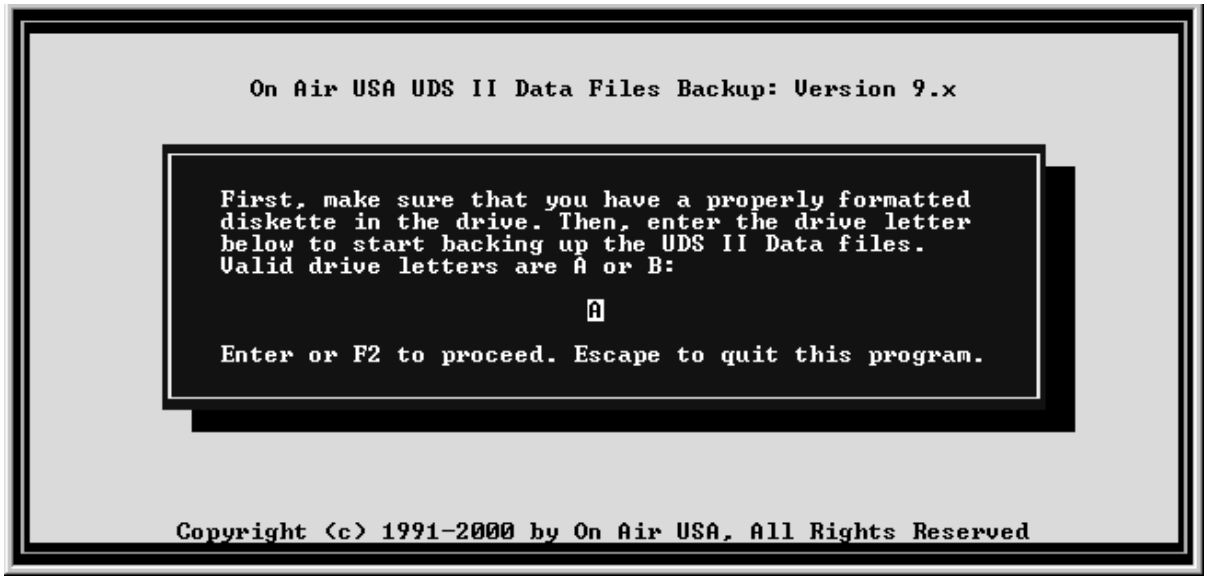

On Air USA UDS II Data Files Backup: Version 9.x
First, make sure that you have a properly formatted diskette in the drive. Then, enter the drive letter below to start backing up the UDS II Data files.
Valid drive letters are A or B:
A
Enter or F2 to proceed. Escape to quit this program.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-101 Make Backup— Drive Selection Screen

2. From the UDS II Data Files Backup screen, type the letter for the diskette drive where you placed the backup diskette and press ENTER.

   For example, if the diskette is in the A: drive, type A ENTER.

Utilities for the UDS II—System Maintenance; Make a UDS II Data Backup, continued

3. The program warns you that you are about to delete all files currently on the backup diskette and asks you if you are sure you wish to proceed.

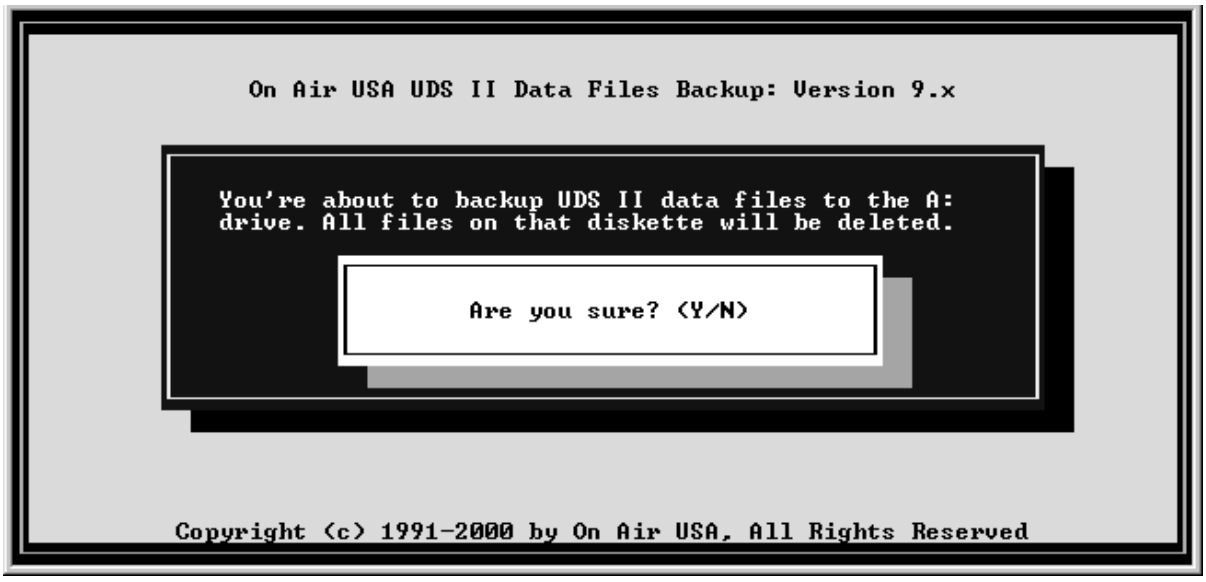

On Air USA UDS II Data Files Backup: Version 9.x
You're about to backup UDS II data files to the A: drive. All files on that diskette will be deleted.
Are you sure? (Y/N)
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-102 Make Backup— File Deletion Confirmation

4. Press Y to proceed with the backup.

5. The Backup feature compresses the data so it may be stored on one diskette.

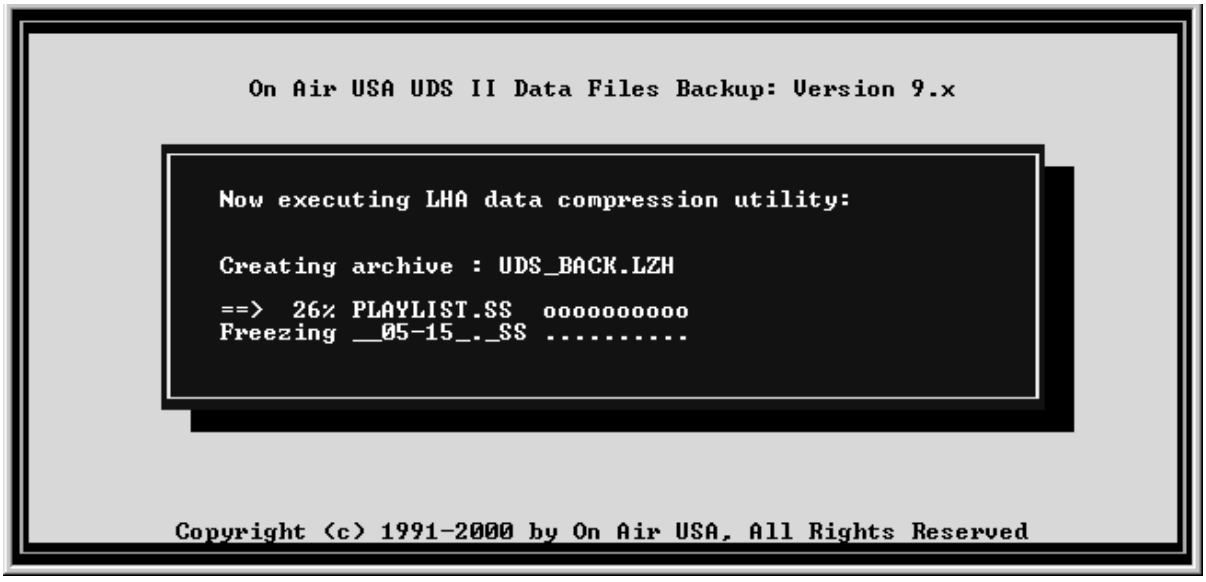

On Air USA UDS II Data Files Backup: Version 9.x
Now executing LHA data compression utility:
Creating archive : UDS_BACK.LZH
==> 26% PLAYLIST.SS oooooooooo
Freezing __05-15_._SS .....
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-103 Make Backup— File Compression in Progress

Utilities for the UDS II—System Maintenance; Make a UDS II Data Backup, continued

The UDS II data file backup is copied to the diskette.

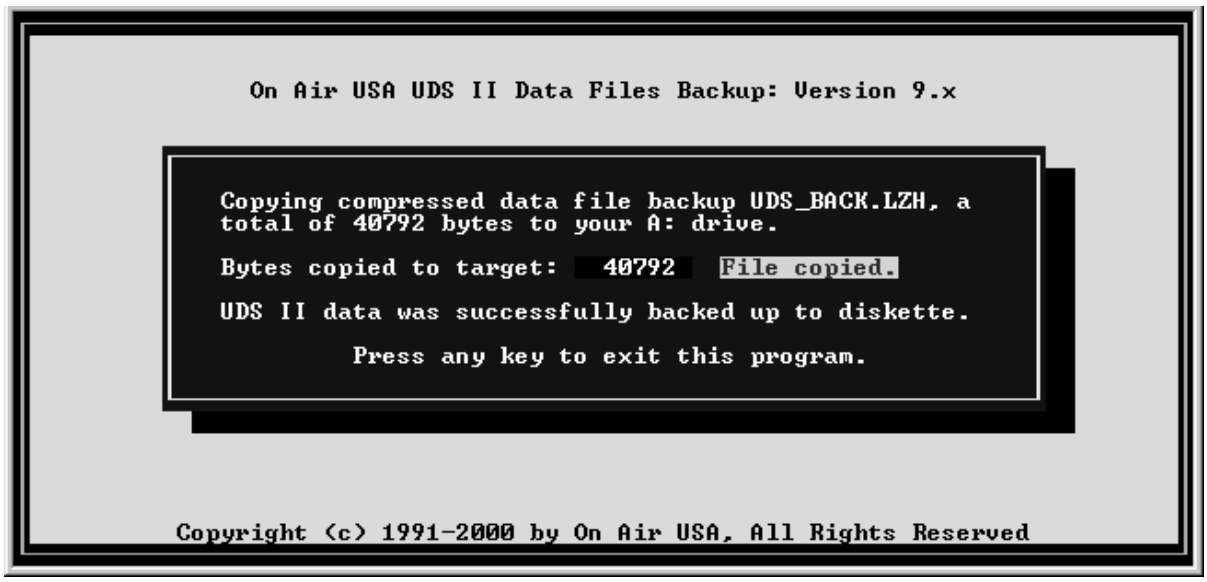

On Air USA UDS II Data Files Backup: Version 9.x
Copying compressed data file backup UDS_BACK.LZH, a total of 40792 bytes to your A: drive.
Bytes copied to target: 40792 File copied.
UDS II data was successfully backed up to diskette.
Press any key to exit this program.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-104 Make Backup— Data Backup Completed

6. Press any key to return to the System Maintenance menu.

Be sure to store this diskette in a safe place in the unlikely event that you need to restore this data after a computer malfunction. You should use this backup utility at least once per week to ensure that you always have a recent copy of your tray maps, playlists, and configuration files. This backup will greatly speed your recovery in case of a data loss.

Utilities for the UDS II—System Maintenance, continued

R—Restore a UDS II Data Backup

This option allows you to restore the information stored by the Make a UDS II Data Backup option from the diskette to your hard drive. This lets you quickly resume operations after a data loss or when you change music scheduling computers.

1. From the System menu, press R to select Restore a UDS II Data Backup.

   The UDS II Data Files Restore screen appears.

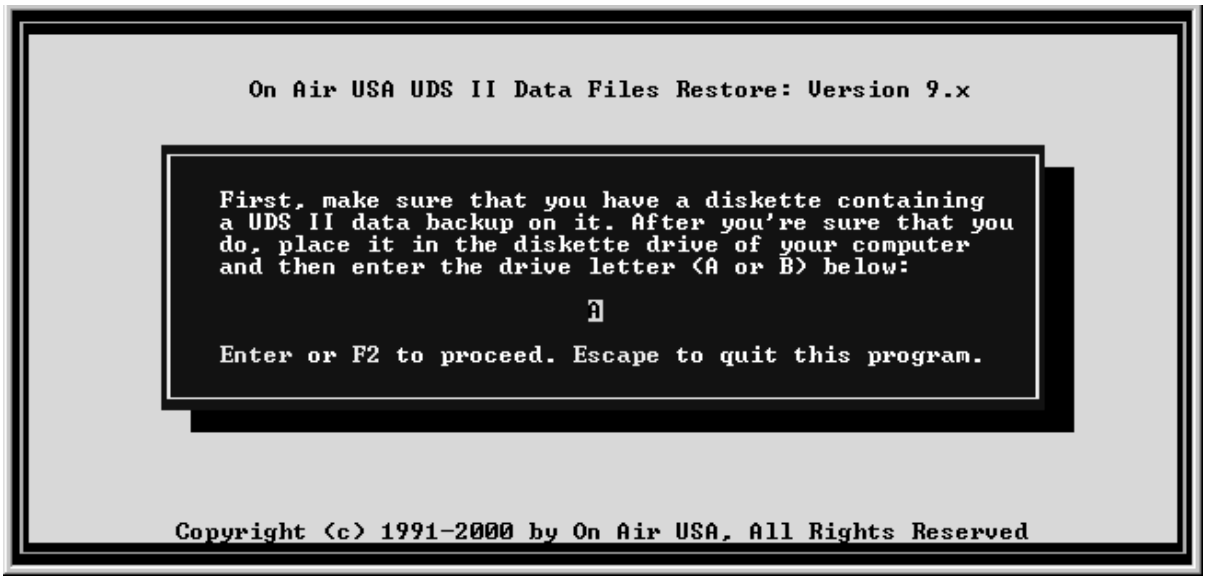

On Air USA UDS II Data Files Restore: Version 9.x
First, make sure that you have a diskette containing a UDS II data backup on it. After you're sure that you do, place it in the diskette drive of your computer and then enter the drive letter (A or B) below:
A
Enter or F2 to proceed. Escape to quit this program.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-105 Restore Backup— Drive Selection Screen

2. From the UDS II Data Files Restore screen, type the letter for the diskette drive where you placed the UDS II data backup diskette and press ENTER.

   For example, if the diskette is in the A: drive, type A ENTER.

Utilities for the UDS II—System Maintenance; Restore a UDS II Data Backup, continued

3. The program displays the date the files on the backup diskette were created and asks you if you are sure this is the backup you want to restore.

On Air USA UDS II Data Files Restore: Version 9.x
You're about to restore a UDS II data backup from drive A. The backup is from Tue, Jun 27, 2000 (06:11:18 PM).
Are you sure? (Y/N)
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-106 Restore Backup— Date Confirmation Screen

If you are sure this is the backup you want, press Y to proceed with the restoration. If this is not the backup diskette you want, press ESC to abort the Restore process.

4. The Restore feature expands the data from the diskette.

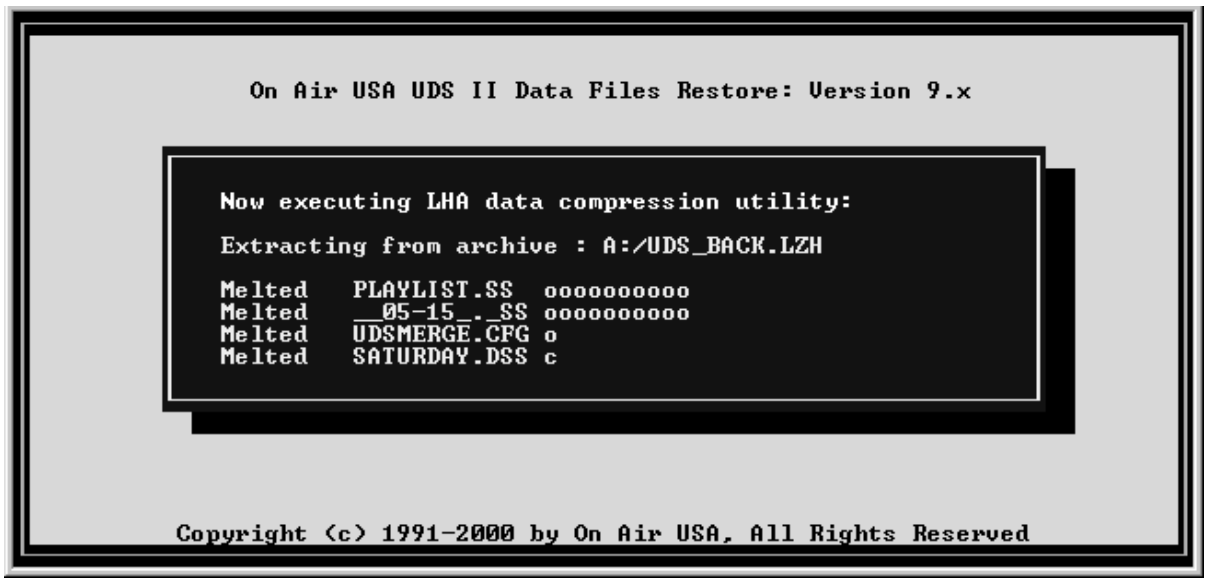

On Air USA UDS II Data Files Restore: Version 9.x
Now executing LHA data compression utility:
Extracting from archive : A:/UDS_BACK.LZH
Melted PLAYLIST.SS oooooooooo
Melted __05-15_._SS oooooooooo
Melted UDSMERGE.CFG o
Melted SATURDAY.DSS c
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-107 Restore Backup— File Decompression and Copying

Utilities for the UDS II—System Maintenance; Restore a UDS II Data Backup, continued

5. The Restore feature displays a message to let you the UDS II data files have been successfully restored.

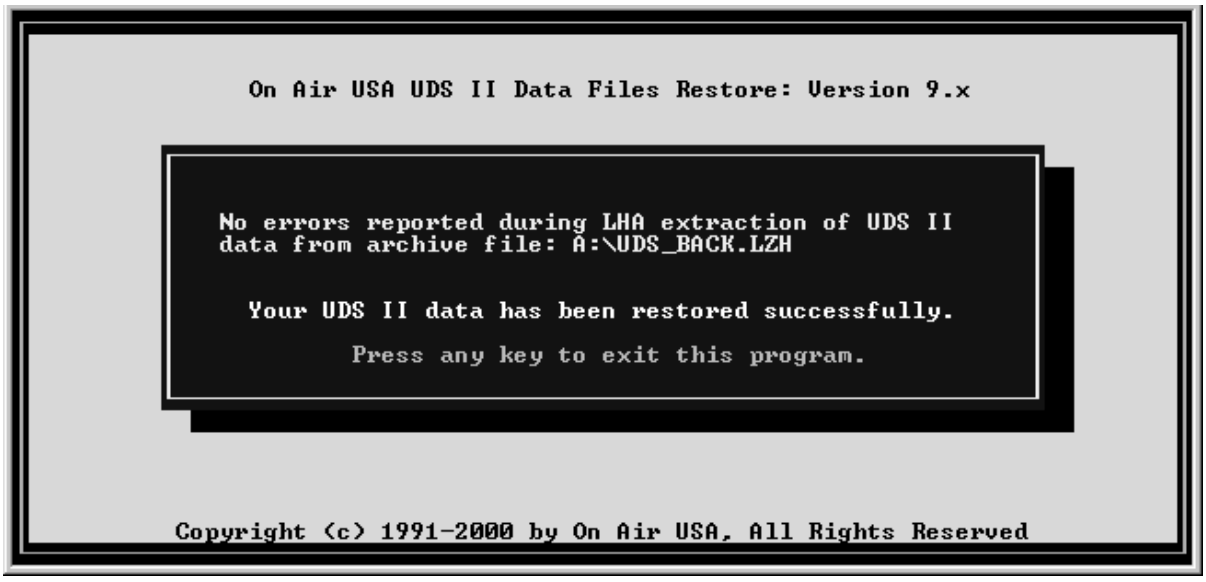

On Air USA UDS II Data Files Restore: Version 9.x
No errors reported during LHA extraction of UDS II data from archive file: A:\UDS_BACK.LZH
Your UDS II data has been restored successfully.
Press any key to exit this program.
Copyright (c) 1991-2000 by On Air USA, All Rights Reserved

Figure 3-108 Restore Backup— Data Restoration Completed

6. Press any key to return to the System menu.

Utilities for the UDS II—System Maintenance, continued

S—Schedule Restoration for UDS II

The Schedule Restoration for UDS II utility allows you to restore a UDS II schedule from another day. You may restore any of the seven most recently merged or edited schedules.

> ***Note:*** When you choose to restore a UDS II schedule, the currently active schedule is overwritten. If it has been merged or edited, it too may be restored with this feature.

To use the Schedule Restoration feature, follow the steps outlined below:

1. From the System Maintenance menu, press S.

   A pick list appears listing available schedule dates. Highlight the schedule date you want to become the active schedule then press ENTER.

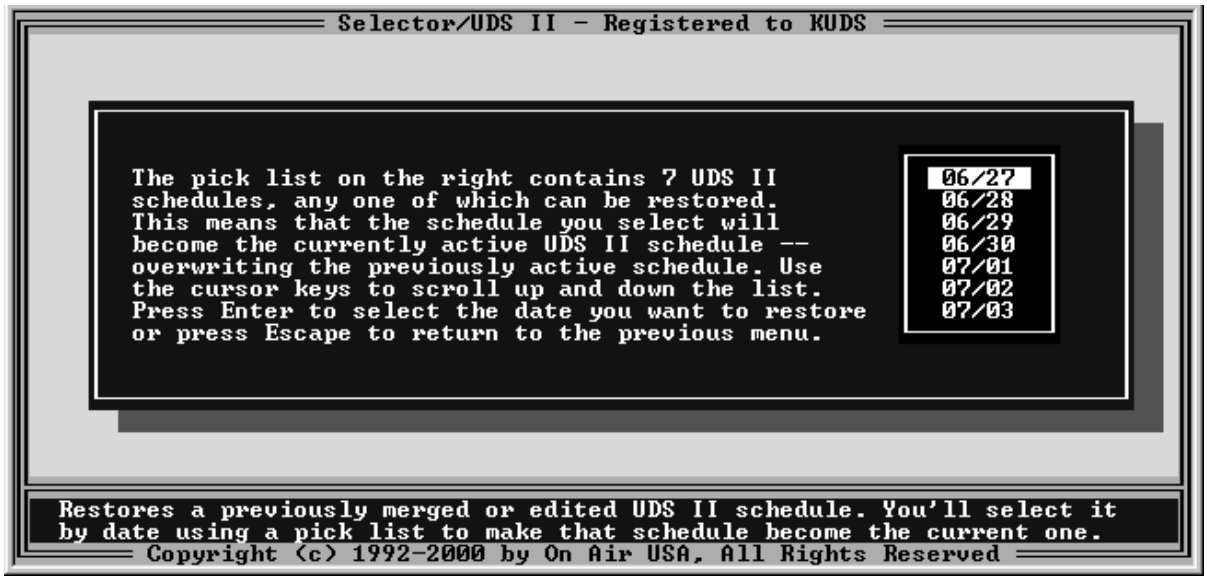

Selector/UDS II - Registered to KUDS
The pick list on the right contains 7 UDS II schedules, any one of which can be restored. This means that the schedule you select will become the currently active UDS II schedule -- overwriting the previously active schedule. Use the cursor keys to scroll up and down the list. Press Enter to select the date you want to restore or press Escape to return to the previous menu.
06/27
06/28
06/29
06/30
07/01
07/02
07/03
Restores a previously merged or edited UDS II schedule. You'll select it by date using a pick list to make that schedule become the current one.
Copyright (c) 1992-2000 by On Air USA, All Rights Reserved

Figure 3-109 Schedule Restoration— Date Selection Screen

Utilities for the UDS II—System Maintenance; Schedule Restoration for UDS II, continued

2. You are prompted to confirm the schedule date you have chosen.

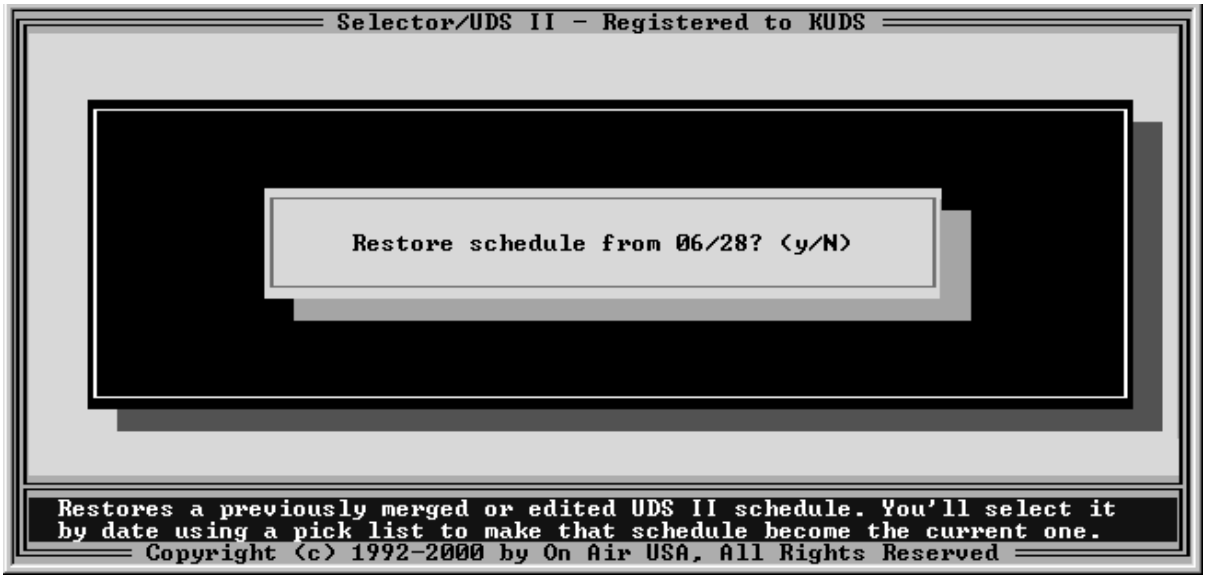

Selector/UDS II - Registered to KUDS
Restore schedule from 06/28? (y/N)
Restores a previously merged or edited UDS II schedule. You'll select it by date using a pick list to make that schedule become the current one.
Copyright (c) 1992-2000 by On Air USA, All Rights Reserved

Figure 3-110 Schedule Restoration— Date Confirmation

3. Type Y to confirm. When finished, the system informs you that the schedule from the selected date is now the currently active schedule.

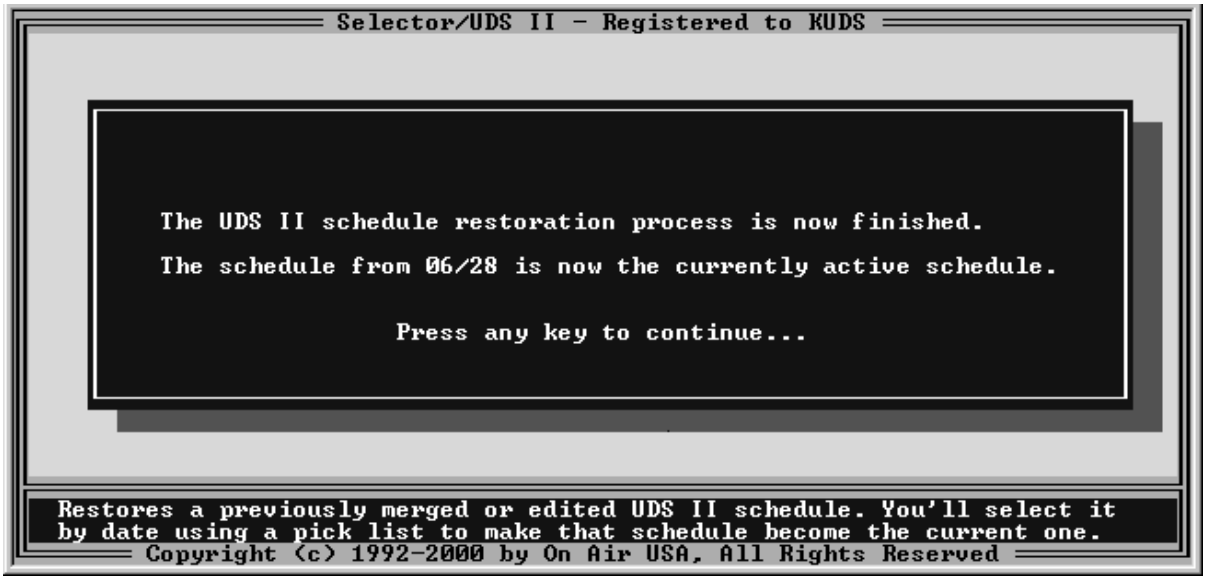

Selector/UDS II - Registered to KUDS
The UDS II schedule restoration process is now finished.
The schedule from 06/28 is now the currently active schedule.
Press any key to continue...
Restores a previously merged or edited UDS II schedule. You'll select it by date using a pick list to make that schedule become the current one.
Copyright (c) 1992-2000 by On Air USA, All Rights Reserved

Figure 3-111 Schedule Restoration— Restoration Completed

4. Press any key to return to the System Maintenance menu.

Utilities for the UDS II—System Maintenance, continued

L—License and Registration

Before you may use the Utilities on a new computer or after reinstalling on this computer due to data loss, you must call On Air Digital USA (or the On Air Digital representative in your country) to license and register this installation of the Utilities for the UDS II.

1. As directed by On Air Digital, enter your station call letters or company name and the proper license term. Press F2 to proceed.

2. The Registration program returns a registration code—read this number to the On Air Digital customer support person.

3. Enter the two code numbers given to you by the customer support person.

4. Press F2 to complete the licensing process.

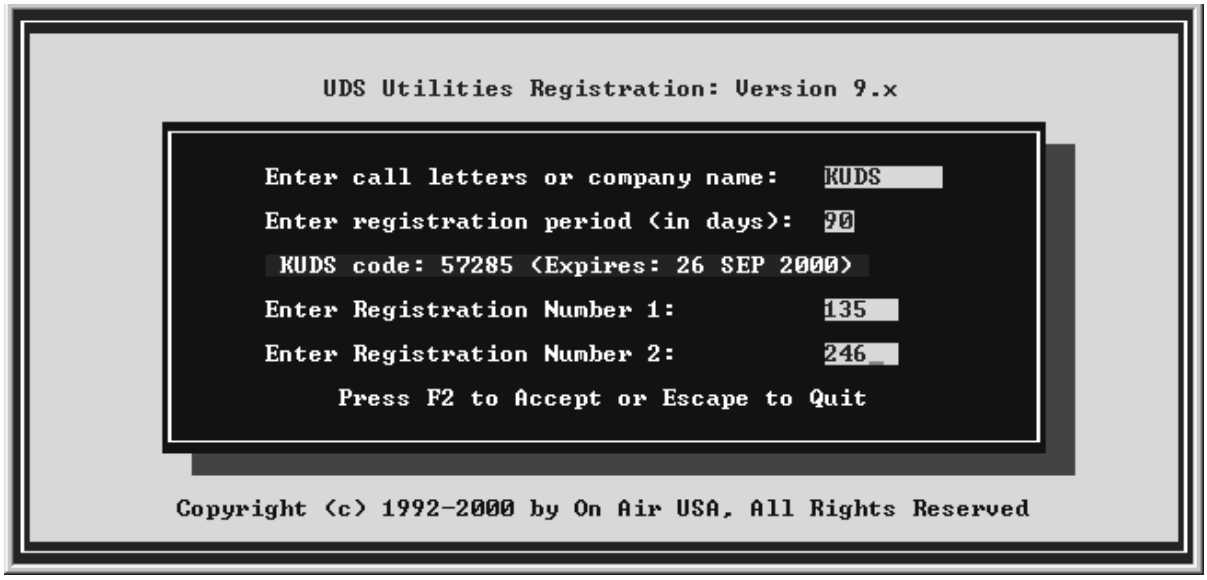

UDS Utilities Registration: Version 9.x
Enter call letters or company name: KUDS
Enter registration period (in days): 90
KUDS code: 57285 (Expires: 26 SEP 2000)
Enter Registration Number 1: 135
Enter Registration Number 2: 246
Press F2 to Accept or Escape to Quit
Copyright (c) 1992-2000 by On Air USA, All Rights Reserved

Figure 3-112 License and Registration Example

This concludes the in-depth look at the Utilities for the UDS II. The following pages cover scheduling for special CD and non-CD programming, special "flag files" to customize display options, and the configuration of the files that make the Selector work so well with the UDS II.

Setup for Special Programming on CD

Configuring Selector to schedule syndicated programs, countdown shows, or other special programming on compact disc for playback in UDS II requires a simple five-step process. You must follow these steps, in order, for proper scheduling:

- Step One: Add each segment as a song.
- Step Two: Create special category rules for the program.
- Step Three: Create a special clock for the program.
- Step Four: Add the special clock to the clock assignment grid.
- Step Five: Add the new discs to the tray maps.

IMPORTANT: Advise your traffic director to observe break lengths suggested by the program provider for proper run time of the show. Each program break *must* be long enough for the CD players to load the next segment. This reload time varies by machine type but the longest minimum reload time is 65 seconds (for the Denon DN-1400-F changer).

Step One: Add Each Segment as a Song

1. From the Selector main menu, press 1 to select `Library Management`.
2. From the Library Management menu, press 1 to select `Add Songs`.
3. Enter *each* segment of the special program as a song, following these guidelines:
   - Create disc identifiers unique to the show. Enter the disc identifier and track for each segment in the `Song ID` field.
   - Create a unique `Category` and `Level` for this program.
   - Enter the hour and segment numbers in the `Title` field.
   - Enter the name of the show in the `Artist` field.
   - Time each segment to get the exact *run time*. Enter the length, in minutes and seconds, in the `Run Time` field.
   - Enter ! ! in the `Opening` field so that each song is marked as being time-compare so that UDS II will segue at the proper time.

Utilities for the UDS II—Setup for Special Programming on CD, continued

For example, if you were following the cue sheet on the following page, you would enter the information for the first segment as follows:

The disc identifier and track would be entered in the `Song ID` field as:

S C 0 1 – 0 1 ENTER

The name of the show would be entered in the `Artist` field as:

S K I P SPACE C H U R C H ' S SPACE W E E K L Y SPACE T O P SPACE 3 0 ENTER

The hour and segment numbers would be entered in the `Title` field as:

H O U R SPACE 1 SPACE S E G M E N T SPACE 1 ENTER

The Run Time must be the *exact length* of the segment. The cue sheet is a good guide but it is best to manually check the length of each cut in a CD player. For this segment, the Run Time would be entered in the `Run Time` field as:

1 3 : 4 7

The time-compare segue code would be entered in the `Opening` field as: ! !

For the second segment of this first hour, the title would be "Hour 1 Segment 2". Number and track would advance to "SC01-02". Artist and category must remain the same for *every segment of this program.* Run time is always the exact length of the segment, 14:12 for this example.

Increment the disc number when moving to segments on the next CD. In this example, the first segment of the second disc would be S C 0 2 – 0 1.

This sequence of song entries should continue, in order, for each segment of the show.

4. Press F2 to save the new song information you have just entered.

5. Repeat steps three and four until every segment of the special program has been entered as a new song.

6. After completing *all* song entries for this special program, press ESC twice to return to the Selector main menu.

IMPORTANT: Each week, you must change the run time for *each* program segment to the *exact* times for that week's show. Changes you make to Selector's music library must be reported to the UDS II music library using the same reports you use for regular songs when you import the next schedule.

Utilities for the UDS II—Setup for Special Programming on CD, continued

Skip Church's Weekly Top 30

SCWT30 Cue Sheet
Air Date Weekend: 4 NOV 2000
Show #294 Hours 1 & 2
Southwood Radio Networks
Matt Patrick, Executive Producer

Jingle In #30 Sheep Marketing Ploy – Tom Smith #29 Paint It Black – Christina Aguilera #28 Birthday Suit – Darva Conger **Jingle Out** Cleveland Int'l Records (out cue) "...all your polka needs" ***HOUR 1 Segment 1* (13:50) Break 2:00**	**Jingle In** #20 The Worm – Early Bird #19 Patriotic Chicken – Mel Gibson Believe It Or Not – Joey Scarbury **Jingle Out** Spatula City (out cue) "...the gift of a spatula." ***HOUR 2 Segment 1* (11:40) Break 2:00**
Jingle In True Colors – Cindy Lauper #27 Only Wanna Be With Ewe – Fenton #26 Golden Opportunity – Brave Combo **Jingle Out** FOX TV / The X Files (out cue) "...truth is out there." ***HOUR 1 Segment 2* (14:10) Break 2:00**	**Jingle In** #18 I Am So Cute – Dot Warner #17 Sold It On eBay – Every Body Else #16 Yesterday's News – Fishman **Jingle Out** Interstellar Network News (out cue) "...source in the galaxy." ***HOUR 2 Segment 2* (13:50) Break 2:00**
Jingle In #25 Love Theme – Joel and the Joels #24 O Canada – Celine Dion & Rush #23 Hardline Rap – H-Line **Jingle Out** Sci-Fi Channel/MST3000 (out cue) "...at 8am, 7 Central." ***HOUR 1 Segment 3* (12:20) Break 2:00**	**Jingle In** I.G.Y. – Donald Fagan #15 Theme from 'Hair' – Bill Shatner #14 Come Sail Away – Eric Cartman **Jingle Out** American Dairy Association (out cue) "...does a body good." ***HOUR 2 Segment 3* (12:50) Break 2:00**
Jingle In Kiss This Thing Goodbye – Del Amitri #22 Blame Canada – South Park #21 Ride Forever – Paul Gross **Jingle Out** National Beef Council (out cue) "...the other red meat." ***HOUR 1 Segment 4* (11:10) Break 2:30**	**Jingle In** #13 Save the Day – Powerpuff Girls #12 Yosemite – Paul Simon #11 Woof Woof– My Dog Wakko **Jingle Out** PunJustice Productions (out cue) "Bunny, please!" ***HOUR 2 Segment 4* (13:10) Break 2:30**

Figure 3-113 A typical syndicated show cue sheet

Utilities for the UDS II—Setup for Special Programming on CD, continued

Step Two: Create Special Category Rules

📖 Selector category maintenance theory and technique is explained in great detail in section two, *Music Policy*, of the *Selector Manual*. Please refer to that text for details on the category creation process.

1. From the Selector main menu, press 2 to select `Music Policy`.
2. From the Music Policy menu, press 1 to select `Categories`.

   The Categories menu will display a list of the active categories, sorted in alphabetical order, on the right side of the screen.
3. From the Categories menu, press INS to add a category.
4. Type the name for the category and the level.

   In this example, type S for category and 1 for level.
5. Describe the category with the name of the program. If the full name of the program is too long to fit in this field, use a recognizable portion of the show's name instead.

   In this example, you would type S K I P ' S SPACE S H O W ENTER.
6. Set the search depth to 1 #.

   This instructs Selector to search exactly one song deep into the category.
7. Set the proportion to 100%.

   This tells Selector to use this category and level every time the category is called for in the clocks.
8. Assign pass-order number 1 to this category.

   This setting prevents Selector from scheduling songs from the same CD changer as the program discs just before or after this special program. To preserve your normal music rotation the pass-order number for the other categories must first be increased by one.
9. Use the Priorities option to set *no* scheduling rules for this category, including media protection. It will be up to your and your traffic manager to ensure that sufficient reload time is available between segments of this program.
10. Press F2 to save this category then press ESC twice to return to the Selector main menu.

Utilities for the UDS II—Setup for Special Programming on CD, continued

Step Three: Create a Special Clock

📖 Clock setup and design are covered in-depth in section three of the *Selector User's Manual*. Please refer to that work for more details.

1. From the Selector main menu, press 3 to select `Clocks`.

2. From the Clock menu, press 2 to select `Add Clocks`.

3. Enter the two-character ID code you wish to use for this clock then press F2.

   For this example, press S C ENTER.

4. Selector displays the new, blank clock. Type the name of the new clock so that it reflects the name of the special program being scheduled. Press ENTER to accept the name.

   For example, type T O P SPACE 3 0 SPACE C L O C K ENTER.

5. To enter a segment of the program, type the category code and level you assigned to the songs under the `Category` and `Levels` columns for each segment in the hour.

   In this example, enter S and 1.

6. To enter a breaknote for this program (to schedule IDs, spot-catchers, and jingles), type a lower-case `b` in the category code and type a level of 1 under the `Category` and `Levels` columns.

   📖 See *Item Number* in section three, *Clocks*, of the *Selector Manual* for details on creating and selecting breaknotes in Selector.

   📖 See *Configuring Your Selector Clocks for UDS II* beginning on page 3-20 for details on break note formats and codes.

7. Continue entering elements until you have scheduled each segment of *one* hour of the special program with the corresponding stop sets and sweepers or jingles.

8. When you are done, press F2 to save the clock and then press ESC once to return to the Clocks menu.

Utilities for the UDS II—Setup for Special Programming on CD, continued

Step Four: Schedule the Special Clock

1. From the Clocks menu, press 3 to select `Clock Assignment Grid`.

2. If the clock assignment grid displayed is not the *active* matrix, press PG DN until the active grid is displayed. Check the *Assignment Grid Rotation* to determine the active grid.

3. When the *active* assignment grid is displayed on your screen, use the ↑ and ↓ arrow keys to move the cursor to the first hour in which you wish to schedule the new clock.

4. Type the two-character clock ID in each hour that the new clock should play.

   For this continuing example, type S C ENTER three times—once for each hour in the three-hour countdown program.

5. Press F2 to save updated clock assignment grid and then press ESC twice to return to the Selector main menu.

Step Five: Add the New Discs to the Tray Maps

1. Press ESC twice to exit Selector to the `C:\RCS>` DOS prompt.

2. From the DOS prompt, type U D S M E N U ENTER to start the Utilities for UDS II.

3. From the Utilities main menu, press R to select `Revise or Review Tray Maps`.

4. Type the UDS II source number of the CD changer where you will place the special program CDs and press ENTER.

5. Use the ↑ and ↓ arrow keys to highlight any open slots in the tray map then type the disc identifiers for each of the special program CDs.

6. Press F2 to save the new information.

7. Once the tray maps have been updated, return to Selector and update the Media field for each segment of this special program. It must reflect the source number you have just selected. Also, be sure to place the CDs into the machines and slots you have chosen.

   📖 See *Revise or Review Tray Maps* starting on page 3-185 for complete instructions on adding discs to the CD players.

You are now ready to begin scheduling the special program. Remember, to schedule different special programs from CD, you must create new clocks, categories, and disc numbers for each different program.

Utilities for the UDS II, continued

Setup for Special Programming with Non-CD Sources

Configuring Selector to schedule sports or other special events for playback using the UDS II requires a simple two-step process. You must follow these steps in order to achieve proper scheduling:

- Step One: Create a special clock for the program.
- Step Two: Add the special clock to the clock assignment grid.

Step One: Create a Special Clock

📖 Clock setup and design are covered in-depth in section three of the *Selector User's Manual*. Please refer to that work for more details.

1. From the Selector main menu, press 3 to select `Clocks`.
2. From the Clock menu, press 2 to select `Add Clocks`.
3. Enter the two-character ID code you wish to use for this clock then press F2.

   For this example, press X X ENTER.
4. Selector displays the new, blank clock. Type the name of the new clock so that it reflects the name of the special program being scheduled. Press ENTER to accept the name.

   For example, type H O C K E Y SPACE C L O C K ENTER.
5. To enter a breaknote for this program (to schedule IDs, spot-catchers, and jingles), type a lower-case `b` in the category code and type a level of 1 under the `Category` and `Levels` columns.

   📖 See *Item Number* in section three, *Clocks*, of the *Selector Manual* for details on creating and selecting breaknotes in Selector.

   📖 See *Configuring Your Selector Clocks for UDS II* beginning on page 3-20 for details on break note formats and codes.
6. Continue entering elements until you have scheduled each segment of *one* hour of the special program with the corresponding stop sets and sweepers or jingles.
7. When you are done, press F2 to save the clock and then press ESC once to return to the Clocks menu.

Utilities for the UDS II—Setup for Special Programming with Non-CD Sources, continued

Step Two: Schedule the Special Clock

1. From the Clocks menu, press 3 to select `Clock Assignment Grid`.

2. If the clock assignment grid displayed is not the *active* matrix, press PG DN until the active grid is displayed. Check the *Assignment Grid Rotation* to determine the active grid.

3. When the *active* assignment grid is displayed on your screen, use the ↑ and ↓ arrow keys to move the cursor to the first hour in which you wish to schedule the new clock.

4. Type the two-character clock ID in each hour that the new clock should play.

   For this example, type X X ENTER four times—once for each hour in the four-hour sports program.

5. Press F2 to save updated clock assignment grid and then press ESC twice to return to the Selector main menu.

You have now completed the process for scheduling a special program from non-CD sources. If you plan to schedule more than one such program, you *must* create a new clock for each different program.

Note: Some special programs from non-CD sources will require more than one format clock for proper operation. Consult your program provider for accurate format information.

Technical Information

Customizing the Date Display

The Utilities for the UDS II support your computer's date display style. If the COUNTRY command is found in your computer's CONFIG.SYS file, then the date display will conform to your preferences. In many locations outside the USA, the display will become DD/MM (rather than MM/DD) automatically.

If you would rather override your current locale's date display and force the U.S.-style display, then you must create a *flag file.* A flag file is a file that alters the Utilities to a specific configuration. To force the use of U.S.-style dates, you must create a flag file with the DOS name of `US-DATES.UDS` in the Selector program subdirectory.

If non-U.S. date styles are in effect, the UDS II Check program will display the phrase "International Version" on its title screen.

If the Utilities for the UDS II are installed on a drive other than C:, substitute that drive letter for C: in these instructions.

To create the flag file, follow the steps outlined below:

1. Exit Selector and return to a DOS command prompt. If you are running Microsoft Windows 95, 98, or NT, select the "MS-DOS Command Prompt" from the Start Menu's Programs option. The prompt usually looks like this: C:\> or C:\WINDOWS>

2. Change to the subdirectory where the Selector music scheduling software resides. Type C D \ R C S \ S E L ENTER.

3. If your music database is in the standard DATA01 subdirectory, type C D SPACE D A T A 0 1 ENTER to change to that subdirectory.

   or If your music database is in a subdirectory named for your call letters, and, for example, they are KESD, type C D SPACE K E S D ENTER to change to that subdirectory.

   or If you are unsure what name was given to your music database subdirectory, type D I R SPACE / A D ENTER to view all subdirectories. Select the correct subdirectory name from the resulting list. (Ignore the "." and ".." listings.)

   Change to the selected database subdirectory by typing C D SPACE plus the name of the subdirectory then press ENTER.

   For example, if the selected music database subdirectory is named ROCKET9, type C D SPACE R O C K E T 9 ENTER to change to that subdirectory.

Technical Information—Customizing the Date Display, continued

4. At the music database directory prompt, type:

   C O P Y SPACE C O N SPACE U S – D A T E S . U D S ENTER

   The cursor will move to the beginning of the next line.

5. Press ENTER twice.

6. Press F6.

   Your computer will respond `^Z` (control-Z).

7. Press ENTER.

   You will be returned to the music database directory prompt and you computer will display the message "`1 file(s) copied`." This lets you know the file has been created and the US-DATES feature has been enabled.

Other Flag Files

In addition to the US-DATES.UDS flag file, there are a number of other flag files that perform various functions. They are described below. All of these flag files are created by the same keystroke method shown for the US-DATES.UDS file. Simply substitute the new flag file name for US-DATES.UDS.

NOLINES.UDS

On a UDS II schedule, there are lines separating non-music elements from music events. If you do not want the lines to be printed to the line printer, this is the flag file for you. You will still see the lines when you view the file, but they will be suppressed from printing.

NOLVWARN.UDS

Some UDS II users knowingly schedule live sources back-to-back (realizing that they will be removed during the UDS II import process). If you wish to suppress the warnings emitted by the Utilities for the UDS II Check and Schedule Editor for back-to-back live sources in a PLAYLIST.SS file, use NOLVWARN.UDS as your flag file.

SECONDS.UDS

If you elect to use the SECONDS.UDS flag file, the Utilities for the UDS II will display HH:MM:SS in all view and print reports that display the contents of PLAYLIST.SS. If the flag file is not present, then the default behavior is to display HH:MM.

__INTRO_.UDS

This file allows you to see the intro times of songs when viewing the UDS II schedule in the UDS II Check and UDS II Edit programs. The intro time, in seconds, appears in front of the title in the Title/Artist display field. If this flag file is not present, the intro times will be suppressed.

Technical Information—Other Flag Files, continued

PRN_PORT.UDS

This file allows you to direct printer output to an LPT port other than 1 or to permit the Utilities for the UDS II to use Microsoft Windows' print services. To configure this option, create an ASCII text file (named PRN_PORT.UDS) and place the appropriate text string (corresponding to the desired printer port) in the file. That printer port will then be used by the Revise or Review Tray Maps program, the UDS II Check program, and the UDS II Edit program for line printer output.

Text String	Printer Port
`1`	LPT1 (default)
`2`	LPT2
`3`	LPT3
`1-win`	LPT1 using Windows print services
`2-win`	LPT2 using Windows print services
`3-win`	LPT3 using Windows print services
`\\network\printer-win`	Uniform naming convention entry for a printer attached via local area network. (Replace the example text "\\network\printer"with actual resource name for your network printer and follow with "-win")

The following chart shows the common mistakes made when setting up this flag file.

Incorrect String	Problem
`5`	No such LPT port
`win-1`	Syntax is backwards; port number must come first
`\\network\print-name-win`	Extra dash in uniform naming convention entry
`\network\printer-win`	Missing slash in uniform naming convention entry
`e:\\network\printer-win`	Drive letter not part of uniform naming convention
`\\network\printer`	"-win" missing end of text string
`\\network\printer win`	Dash missing before "win"

Chapter Three 3-1

You Are Here ➞ ✖ 3-2
Introduction 3-2
What You Need to Get Started 3-3
    Software 3-3
    Hardware 3-3
    Miscellaneous 3-3
Installing Selector 3-4
Installing the Utilities for the UDS II 3-4
Accessing the Utilities From DOS 3-6
Accessing the Utilities From Windows 95/98/NT 3-7
Configuring Selector for Use with UDS II 3-8

Configuring Your Music Library 3-8
Categorizing Your Music Library 3-13
We Interrupt This Chapter... 3-14
Assigning Media Protection Codes 3-15
If You Are Using Single-Player CD Changers... 3-16
If You Are Using Dual-Player CD Changers... 3-17
    Setting Up Your Category Rules and Music Policy 3-19

Configuring Your Selector Clocks for UDS II 3-20
    UDS II Breaknote Commands 3-21
        Breaknote Syntax 3-22
        Breaknote Source Number Commands for Time-Specific Events 3-26
            81 Non-destructive Time Update 3-26
            82 Destructive Time Update 3-27
            83 Update and Advance 3-27
            84 Utility Relay On 3-28
            85 Utility Relay Off 3-28
            86 System Stop 3-29
            87 System Start (Live Control Mode) 3-29
            88 System Start (AutoSegue Mode) 3-29
            90 Fill/Schedule Time Update 3-30
        Breaknote Source Number Commands for Position-Specific Events 3-31
            9 Digital Audio Cart 3-31
            10 Live Studio Break 3-31
            89 Load Hotkey Files 3-31
            94 Relay On 3-32
            95 Relay Off 3-32
            96 System Stop 3-33
            97 Load Schedule 3-33
            98 Informational Text Message 3-33
            99 Spot-catcher 3-34

UDS II Breaknote Examples 3-35
Spot-Catcher Examples 3-35
Time-Update Command Examples 3-36
Digital Audio Event Examples 3-39
Utility Relay Command Examples 3-41
System Start and Stop Command Examples 3-43
Miscellaneous Command Examples 3-44
Legacy Audio Sources 3-45
Notes on Breaknotes 3-47
Breaknote Commands Chart 3-48

Reports and Log Forms 3-50
Log Format 8 Setup 3-50
Report 100 Setup 3-55
Report 99 Setup 3-57
Building the UDS II Music Library 3-59
Analysis of the Selector/UDS II Music Library 3-62
Maintaining the UDS II Database Using Selector Reports 3-64
Moving Songs to Another Compact Disc 3-66
Preparing the Daily Music Schedule 3-67
Almost There... 3-68

The Utilities for the Ultimate Digital Studio II 3-69
Overview 3-69
Computer Preparation 3-69
Installation and Configuration 3-70
Installing the Utilities for the UDS II 3-70
Configuring the Utilities for UDS II 3-71
Registration 3-72
Primary Configuration 3-73
Tray Map Configuration 3-76
Merge Configuration 3-81

Using the Utilities for the UDS II for the First Time 3-86
Create the UDS II Music Library Database 3-86
Create the UDS II Music Schedule 3-91

Using the Utilities for the UDS II Every Day—A Quick Tour 3-93
Generate a UDS II Schedule 3-94
Check UDS II Items 3-95
Merge 3-96
Edit 3-97
Transfer 3-98
Tray Maps 3-99
System Maintenance 3-100

The Utilities for the UDS II—In-Depth 3-101
Utilities for the UDS II Main Menu 3-102
Utilities for the UDS II Menu Selections 3-103

G Generate a UDS II Schedule 3-104

C Check UDS II Items 3-106
V—View the UDS II Schedule (Print Option Available) 3-107
Error Status Information 3-108
Transfer Status Information 3-108
Merge Status Information 3-108
Schedule Information 3-109
Moving Around in View 3-113
Time Status 3-114
Print Schedule 3-114
S—Source Analysis: CDs/DigAudio Cuts for Current Schedule 3-115
Printing the Source Analysis Report 3-118
T—Tray Map Summary: Location of CDs Sorted by CD Number 3-119
C—Category Analysis: CDs and Tray Map Distribution 3-120
Analysis of Categories and Tray Map Allocation 3-122
Analysis of CD Utilization by Category 3-123
Summary of CDs in each Category 3-124
Comparison 3-125
N—New Adds: Verify UDS II Music Adds, Changes and Deletes 3-126
E—Exit 3-129
Fixing Common Check Errors 3-130

M Merge Spot & Music Logs 3-132
Getting Started 3-133
Using the Merge Program 3-134
Fixing Common Merge Errors 3-136

U UDS II Schedule Editor 3-138
Getting Started 3-139
Using the UDS II Editor 3-140
Keyboard (Movement) Commands 3-141
Editing Commands 3-142
Event Entry Fields 3-143
C—Copy 3-146
P—Paste 3-147
D or DEL—Delete 3-148
I or INS—Insert 3-149
E—Edit 3-152
G—Grab 3-153
L—List 3-158
M—Move 3-161

[N]—Next 3-164
[R]—Revise 3-166
[S] (or [J])—Swap (or Juggle) 3-170
[T]—Time Recalculate 3-173
[ALT] [F10]—Digital Audio Cart Pick List Configuration 3-175
Fixing Common UDS II Editor Errors 3-177

[T] Transfer Completed Schedule 3-178
The Files Transferred by Transfer 3-183
Fixing Common Transfer Errors 3-184

[R] Revise or Review Tray Maps 3-185
Using Tray Maps 3-185
Printing Tray Maps 3-192
To print all tray maps in use: 3-192
To print a specific tray map: 3-192
Notes on Tray Maps 3-193
Notes on Using Duplicate Libraries 3-193
Fixing Common Tray Map Errors 3-194

[S] System Maintenance 3-195
Getting Started 3-195
[B]—Build a New UDS II Music Library 3-196
[U]—Update the UDS II Music Library 3-201
[M]—Make a UDS II Data Backup 3-203
[R]—Restore a UDS II Data Backup 3-206
[S]—Schedule Restoration for UDS II 3-209
[L]—License and Registration 3-211

Setup for Special Programming on CD 3-212
Setup for Special Programming with Non-CD Sources 3-218
Technical Information 3-220
Customizing the Date Display 3-220
Other Flag Files 3-221